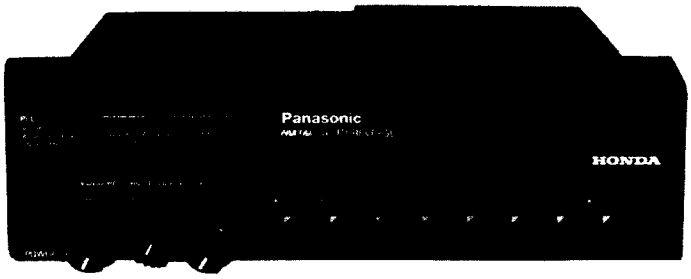
Service Manual

Car Audio

FM-AM-FM STEREO
CASSETTE DECK TUNER AMPLIFIER

RM-1100

CUSTOM-MADE FOR HONDA



Spare parts for this model have already been unable to supply.
However,we un-offcially may supply a few items.
Please contact us regarding this matter.

■ SPECIFICTIONS

General

Power Source:	DC 12 V (Negative ground only)
Test Voltage:	DC 14 V
Power Consumption:	0.8A at maximum power output (Memory backup 1 mA)
Dimensions:	208 mm(W)×64 mm(H)×144 mm(D) (8³⁄₁₆×2⁹⁄₁₆×5¹¹⁄₁₆) without bracket
Weight:	1.7 kg (3 lb ¾ oz) without bracket

FM Tuner Section

Frequency Range:	87.5~108 MHz
Usable Sensitivity:	8 dB (S/N 30 dB)
Signal to Noise Ratio:	55 dB
Stereo Separation:	35 dB at 1 kHz
THD:	0.5%
IF Frequency:	10.7 MHz

AM Tuner Section

Frequency Range:	520~1610 kHz
Usable Sensitivity:	34 dB (S/N 20 dB)
Selectivity:	50 dB (±10 kHz)
IF Frequency:	450 kHz

Cassette Deck Section

Tape System:	Auto-reverse
Wow & Flutter:	0.15% (WRMS)
Stereo Separation:	35 dB at 1 kHz

Intercom Section

Mike Input Impedance:	600Ω
Headphone Output:	0.5 W (16Ω/CH)

Specifications are subject to change without notice.

Panasonic

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Carolina, Puerto Rico 00630

LOCATION OF CONTROLS AND COMPONENTS

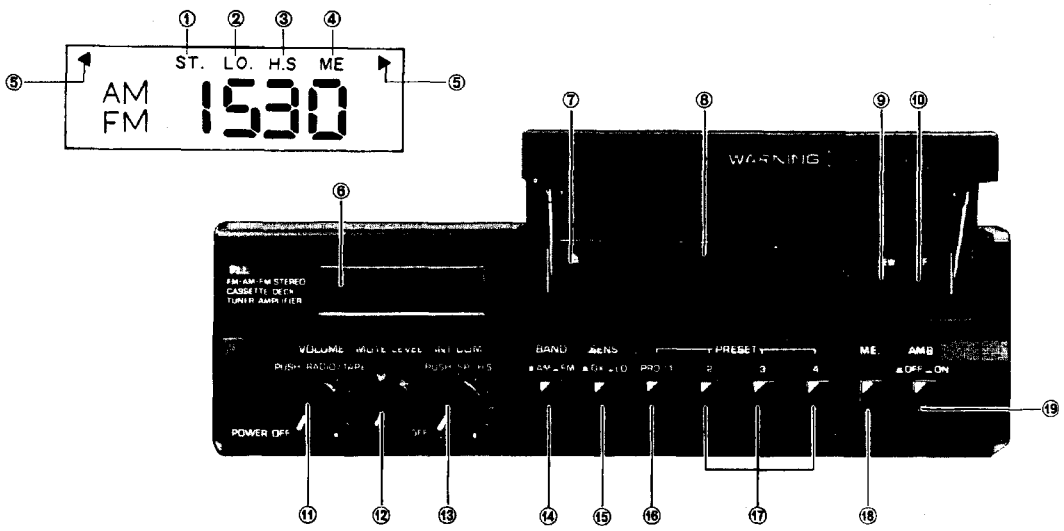


Fig. 1

① FM Stereo Indicator
② Local Indicator
③ Headset Indicator
④ Memory/Metal Indicator
⑤ Direction Indicators
⑥ LCD Display
⑦ Eject Button
⑧ Tape Slot
⑨ Rewind Button (REW)
⑩ Fast Forward Button (FF)
⑪ Radio/Tape Switch, Power Switch, Volume Control (PUSH RADIO/TAPE, POWER OFF)
⑫ Mute Level Control (MUTE LEVEL)
⑬ Speaker/Headset Switch Intercom Control (PUSH SP/HS)
⑭ Band Switch (AM, FM)
⑮ Sensitivity Switch (DX, LOCAL)
⑯ Program/Preset Switch (PRO/1)
⑰ Preset Switches (2, 3, 4)
⑱ Metal/Memory Switch (ME)
⑲ Ambience Switch (ON, OFF)

DISASSEMBLY INSTRUCTIONS

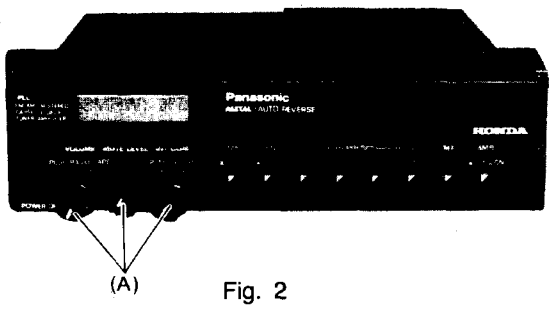


Fig. 2

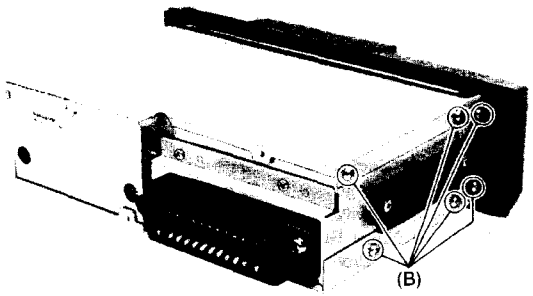


Fig. 4

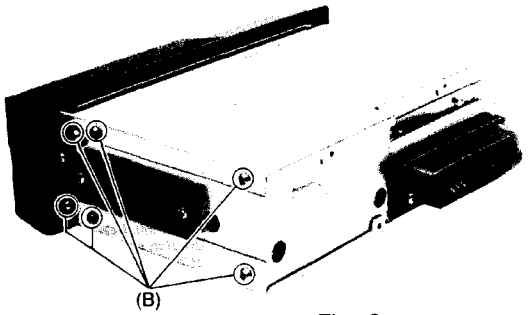


Fig. 3

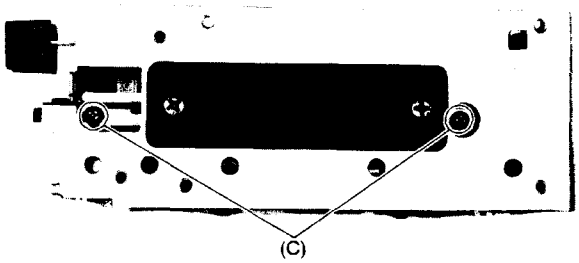


Fig. 5

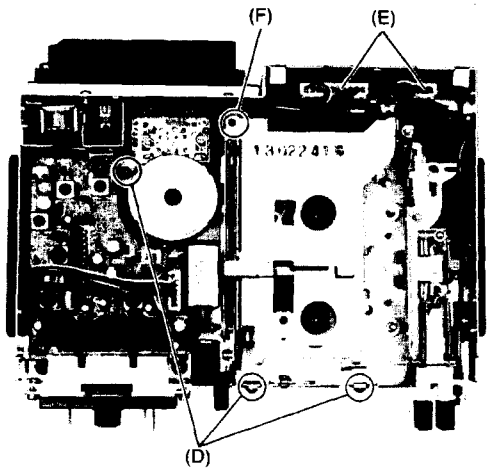


Fig. 6

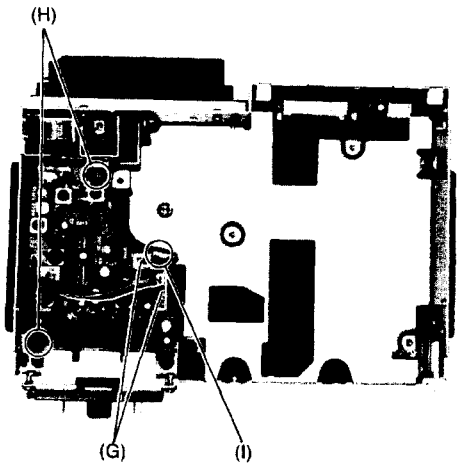


Fig. 7

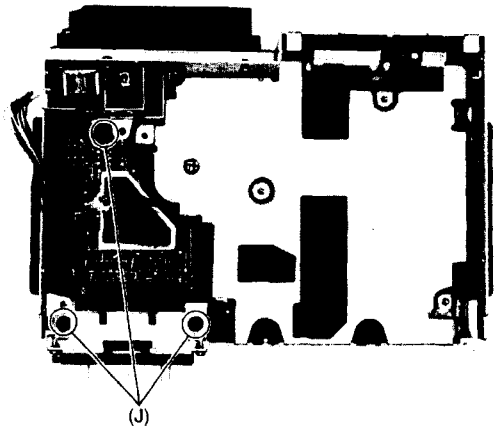


Fig. 8

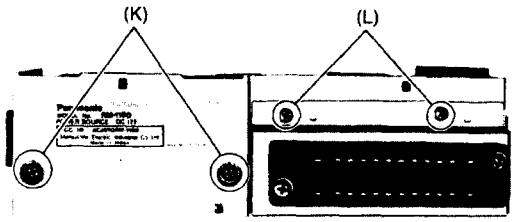


Fig. 9

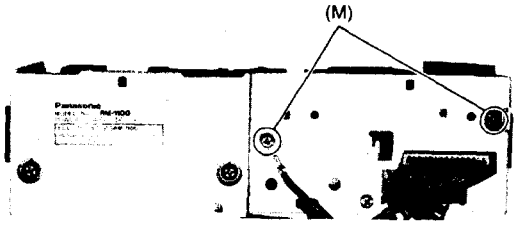


Fig. 10

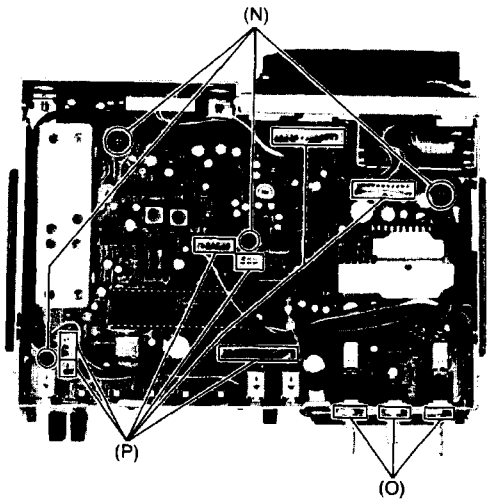


Fig. 11

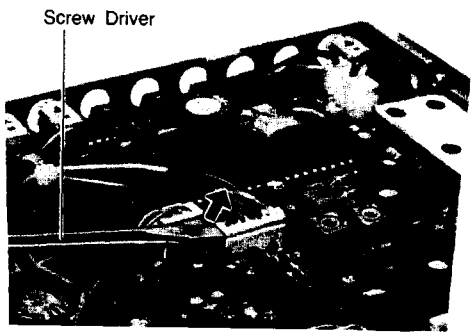


Fig. 12

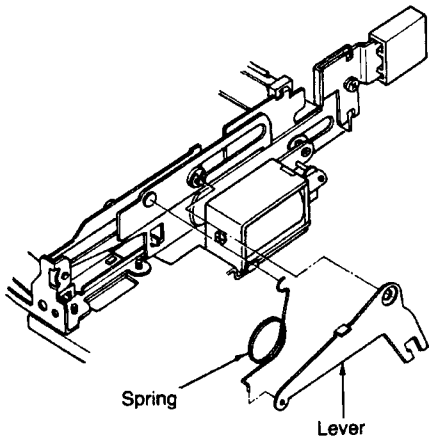


Fig. 13

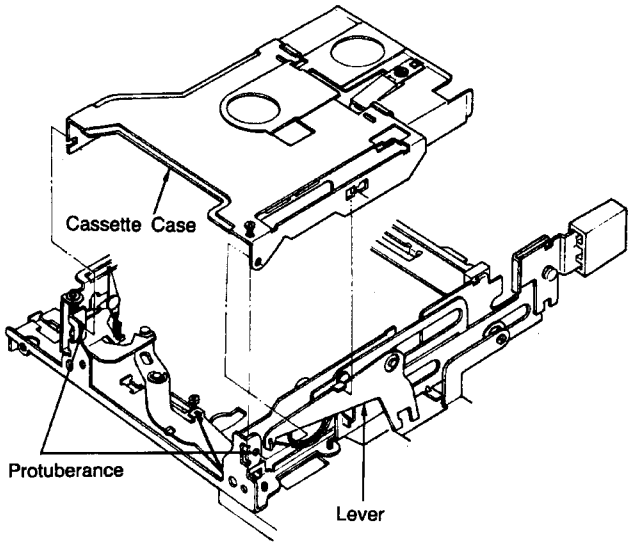


Fig. 14

Ref. No.	Procedure	Shown in Fig.—.	To remove—.	Remove—.
1	1, 2	2	Front Panel	Knob ..... (A)×3
2		3, 4		Screw (3×6) ..... (B)×12
3	1~5	5	Mechanism	Screw (2.6×5) ..... (C)×2
4		6		Screw (2.6×5) ..... (D)×3
5		6		Socket *1 ..... (E)×2
6	1~6	6	Cassette Case *2	Loosen screw (2×3) ..... (F)×1
7	1~9	7	AM Circuit Board	Socket *1 ..... (G)×2
8		7		Screw (3×6) ..... (H)×2
9		7		Twist the chassis ..... (I)×1
10	1~10	8	LCD Circuit Board	Screw (3×6) ..... (J)×3
11	1~5, 11	9	Deck EQ & Ambience Circuit Board	Screw (3×6) ..... (K)×2
12	1, 2, 12, 13	9	Power Source Circuit Board	Screw (3×4) ..... (L)×2
13		10		Screw (3×4) ..... (M)×2
14	1, 2, 14~16	11	Main Circuit Board	Screw (3×6) ..... (N)×4
15		11		Nut (7Ø) ..... (O)×3
16		11		Socket *1 ..... (P)×7

*1. Remove socket in the direction of arrow as shown in fig. 12.
*2. To reassemble, note the following.
(1) Insert the lever and spring in mechanism, as shown in fig. 13.
(2) Insert the cassette case as shown in fig. 14.

HARNESS CONNECTION

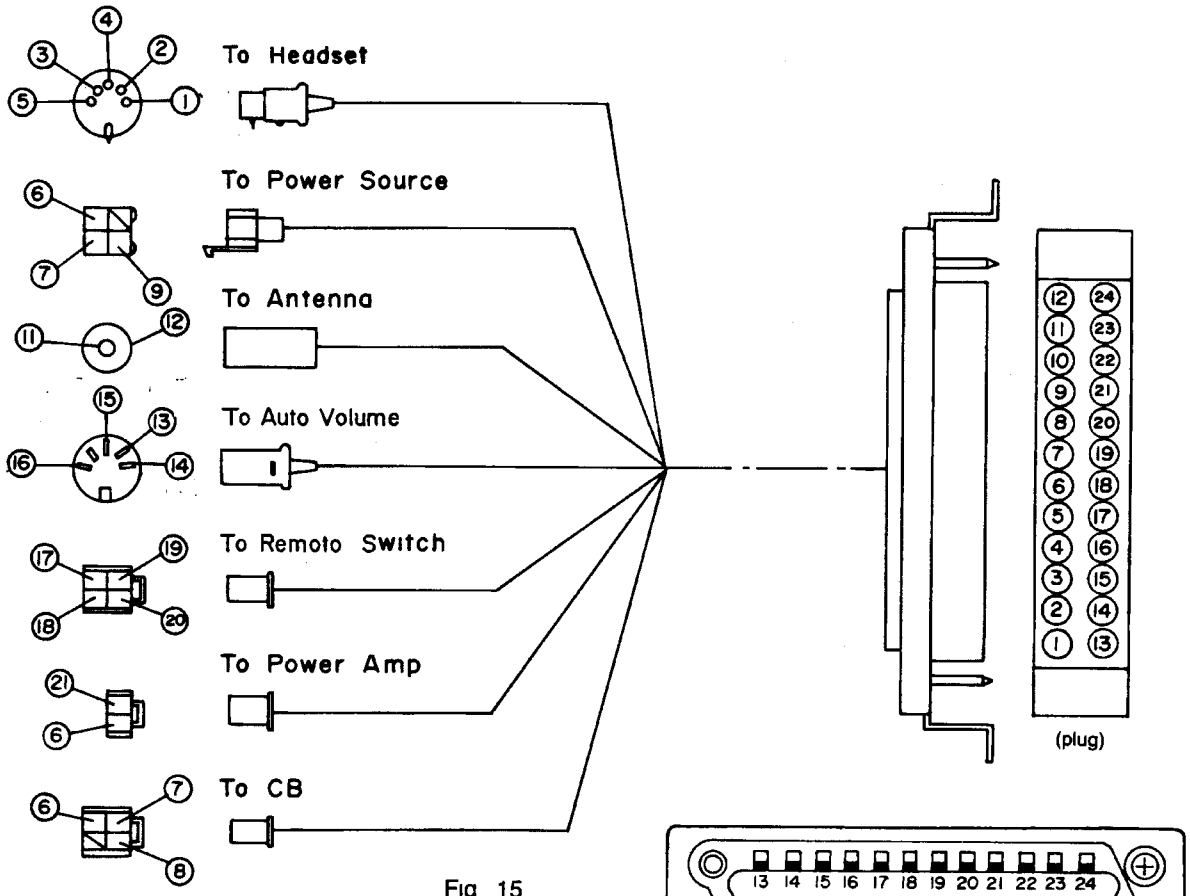


Fig 15

① Microphone
② Earth
③ Rch
④ Earth
⑤ Lch
⑥ Acc
⑦ CB
⑧ Earth
⑨ Earth
⑩ Earth
⑪ Antenna
⑫ Earth
⑬ Rch
⑭ Lch
⑮ Earth
⑯ +B Out
⑰ Mute
⑱ Up
⑲ Down
⑳ Earth
㉑ Earth
㉒ Earth
㉓ Earth
㉔ Earth

■ WAVE FORM

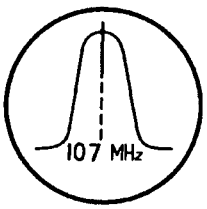


Fig 16

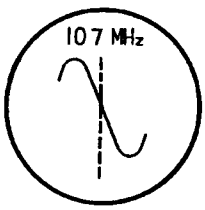


Fig 17

■ AM RF DUMMY ANTENNA

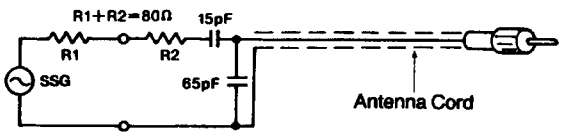


Fig 18

■ FM RF DUMMY ANTENNA

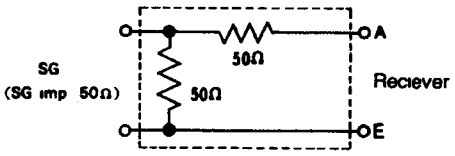


Fig 19

MEASUREMENTS AND ADJUSTMENTS

1. Set power switch to ON.
2. Mute switch to OFF.
3. Intcom switch to HS.
4. Set volume control to maximum.
5. Set band switch to AM, FM.
6. Set SENS switch to DX.

■ AM IF ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		FREQUENCY DISPLAY SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
		CONNCTIONS	FREQUENCY				
	AM-IF ALIGNMENT						
(1)	AM	⑨.....(+) Earth.....(−)	450 kHz 30% Mod. at 400 Hz	Point of non-interference. (on/ about 600 kHz)	⑪...(+) ⑤...(−)	T302(AM 1st IFT) T303(AM 2nd IFT)	Adjust for maximum output.

■ AM RF ALIGNMENT

	BAND	AM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	DC VOLT METER	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
(1)	AM	Disconnect	No signal applied	520 kHz	⑦...(+) ⑤...(−)	L303 (AM OSC Coil)	Adjust for 1.2±0.05 V readig on DC voltmeter
(2)		Disconnect	No signal applied	1610 kHz	⑦...(+) ⑤...(−)	CT302 (AM OSC Trimmer)	Adjust for 7.8±0.1 V reading on DC voltmeter
(3)		Repeat steps (1) and (2).					
	BAND	AM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	AC VOLT METER	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
(4)	AM	Connect to antenna socket through AM RF dummy antenna. (Refer to Fig. 18)	550 kHz	550 kHz	⑪...(+) ⑤...(−)	L301 (AM ANT Coil) L304 (AM ANT Coil)	Adjust for maximum reading on AC voltmeter
(5)		"	1500 kHz	1500 kHz	⑪...(+) ⑤...(−)	CT301 (AM ANT Trimmer) CT303 (AM ANT Trimmer)	"
(6)		Repeat steps (4) and (5).					

■ AM NB ALIGNMENT

BAND	AM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	OSCILLO SCOPE	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
AM	Connect to antenna socket through AM RF dummy antenna. (Refer to Fig. 18)	550 kHz (400 Hz, 0% Mod. 74 dB)	550 kHz	⑩.....(+) ⑤.....(−)	T301 (AM NB)	Adjust for maximum wave from on oscilloscope.

■ FM ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		FREQUENCY DISPLAY SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
		CONNCTIONS	FREQUENCY				
	FM-IF ALIGNMENT						
(1)	FM	High side thru. 0.001μF to test point ⑪, Negative side to test point ⑤.	10.7 MHz SWP.	Point of non-interference. (on/ about 90 MHz)	Connect vert. amp. of scope to test point ⑪. Negative side to test point ⑤.	T1 (FM 1st IFT)	Adjust for maximum amplitude. (Refer to Fig. 16)
(2)	FM	"	"	"	"	T3 (FM 2nd IFT)	Adjust for maximum amplitude. (Refer to Fig. 17)

■ FM RF ALIGNMENT

	BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	DC VOLTMETER	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
(1)	FM	Disconnect	No signal applied	87.5 MHz	▼7...(+) ▼E...(−)	L5 (FM OSC Coil)	Adjust for 1.2±0.05 V readig on DC voltmeter.
(2)		Disconnect	No signal applied	108 MHz	▼7...(+) ▼E...(−)	CT3 (FM OSC Trimmer)	Adjust for 8±0.1 V reading on DC voltmeter.
(3)		Repeat steps (1) and (2).					

	BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	AC VOLTMETER	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
(4)	FM	Antenna socket (FM RF Dummy Fig. 19)	89 MHz (400 Hz 30%)	89 MHz	▼11...(+) ▼E...(−)	L1 (FM ANT Coil) L4 (FM ANT Coil)	Adjust for maximum reading on AC voltmeter
(5)		"	107 MHz (400 Hz 30%)	107 MHz	▼11...(+) ▼E...(−)	CT1 (FM ANT Trimmer) CT2 (FM ANT Timmer)	"
(6)		Repeat steps 4 and 5.					

■ DC BALANCE NB ALIGNMENT

BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	DC VOLTMETER (center "0")	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
FM	Antenna scoket	89 MHz (400 Hz, 30% Mod, 60 dB)	89 MHz	▼2.....(+) ▼3.....(−)	T3 (FM IFT)	Adjust T3 for −0.05~0.05 V reading on DC voltmeter.

■ FM STEREO ALIGNMENT

Notes: 1. Stereo modulator..... •Connect stereo modulator output to EXT MOD terminal of signal generator.
•Pilot signal modulation to "10%".
2. FM signal generator ..... •Frequency approximately 100 MHz/Output level to "60~70 dB", 1~3 mV.
•Modulation mode to "FM".

CIRCUIT	SIGNAL GENRATOR	FREQUENCY COUNTER	AC VOLTMETER	ADJUSTMENT	REMARKS
PILOT	89 MHz (0% Mod, 80 dB)	High side thru, 100 kΩ to test point ▼9. Negative side to ▼E.	——	VR2 (Pilot)	Adjust for 76.00 kHz±50 Hz readign on frequency counter.
SEPARATION	89 MHz (400 Hz, 30% Mod, 80 dB)	——	▼9...Lch (+) ▼12...Rch (+) ▼E...(−)	VR1 (Separation)	Make adjustment so that when the antenna input is subjected to **L** modulation (or **R** modulation.) **R** channel output (or **L** channel output) becomes minimum.

■ AZIMUTH ALIGNMENT

TAPE	AC VOLTMETER①	AC VOLTMETER②	ADJUSTMENT	REMARKS
Playback the azimuth tape.	Across headset	Across headset	▼9...Lch (+) ▼12...Rch (+) ▼E...(−)	Adjust for same reading on AC voltmeter① and ②.

■ **ALIGNMENT POINT** *Please refer to Circuit Board for test points locaton.

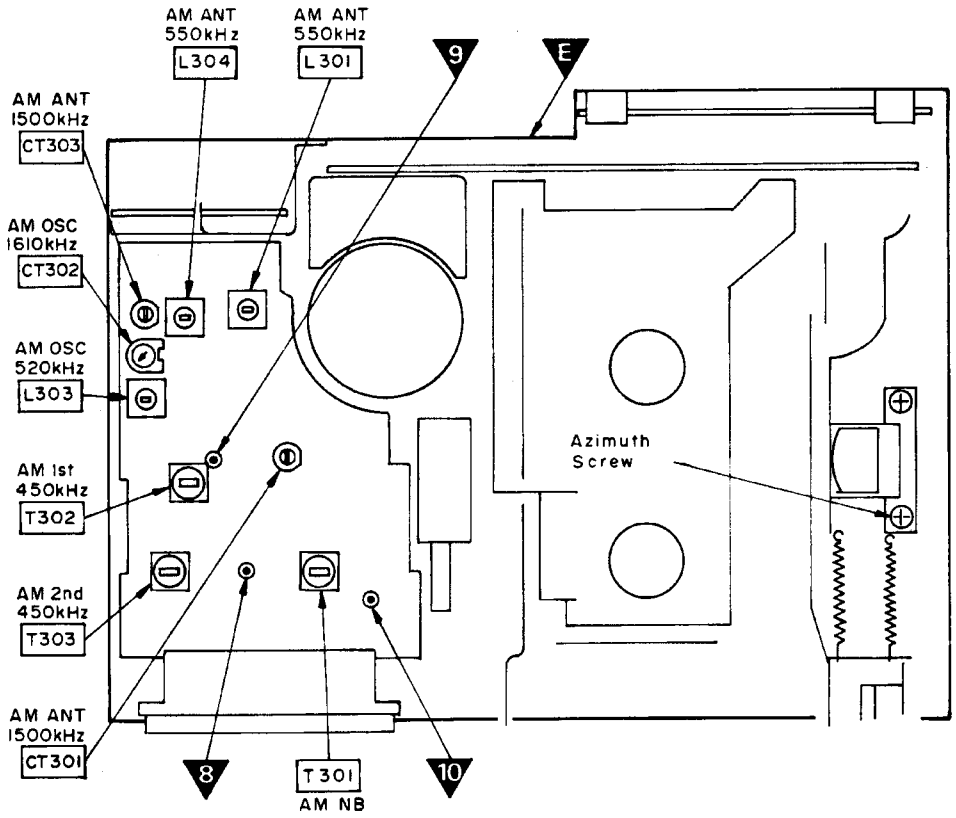


Fig. 20

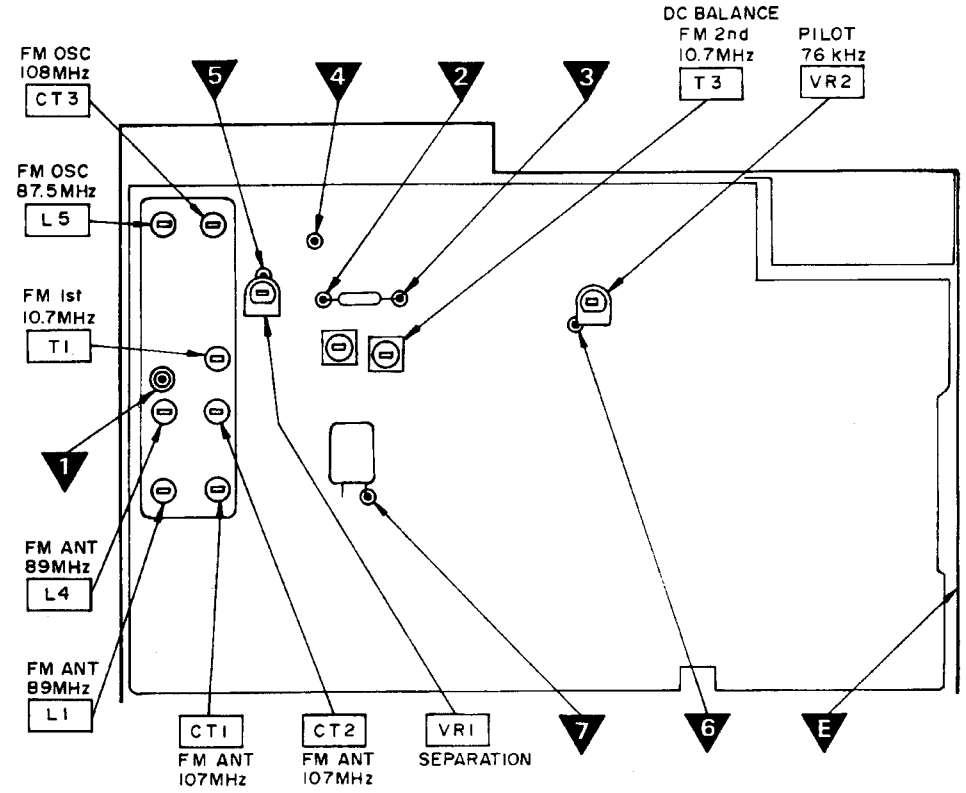


Fig. 21

LIQUID CRYSTAL DISPLAY (LCD)

1) The common and segment terminals of the LCD are connected in the following way:

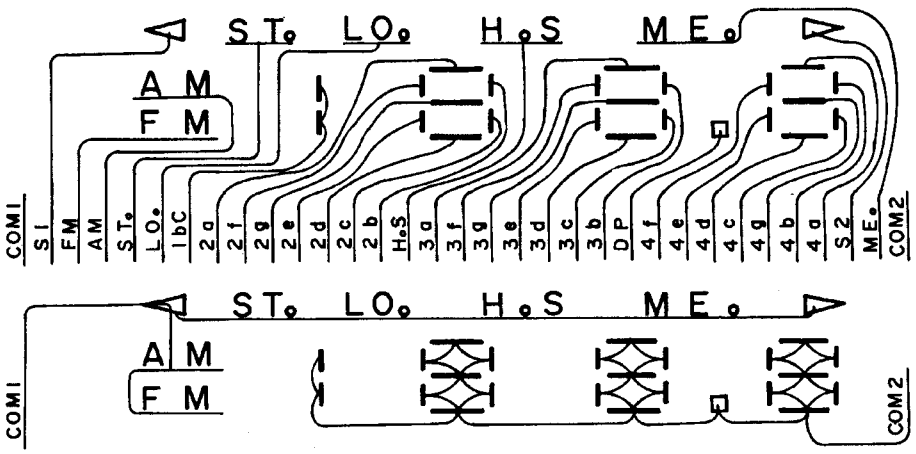

ST. LO. H.S ME.
AM
FM
COM1
SI FM AM ST. LO. 1bC 2a 2f 2g 2e 2d 2c 2b H.S 3a 3f 3g 3e 3d 3c 3b DP 4f 4e 4d 4c 4g 4b 4a S2 ME. COM2
ST. LO. H.S ME.
AM
FM
COM1
COM2

Fig. 22

2) Output signal waveforms of LCD segment

Fig. 22-1 indicates the timing chart of LCD operation.

No.	Phase of segment signal vs. common signal	Segments of LCD
1	Oposite	ON
2	Same	OFF

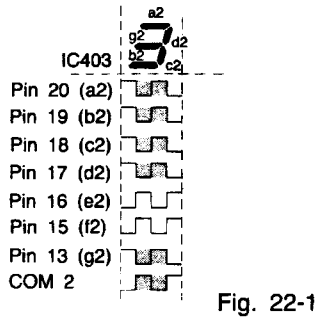


Fig. 22-1

RVITD6301AP (IC403): EACH TERMINAL FUNCTION & WAVEFORM

1) Terminal View

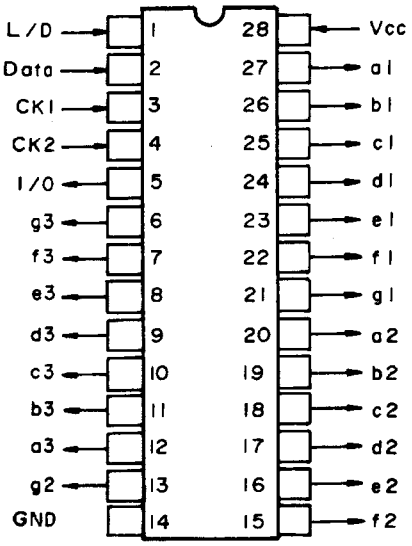


Fig. 23

2) Block Diagram

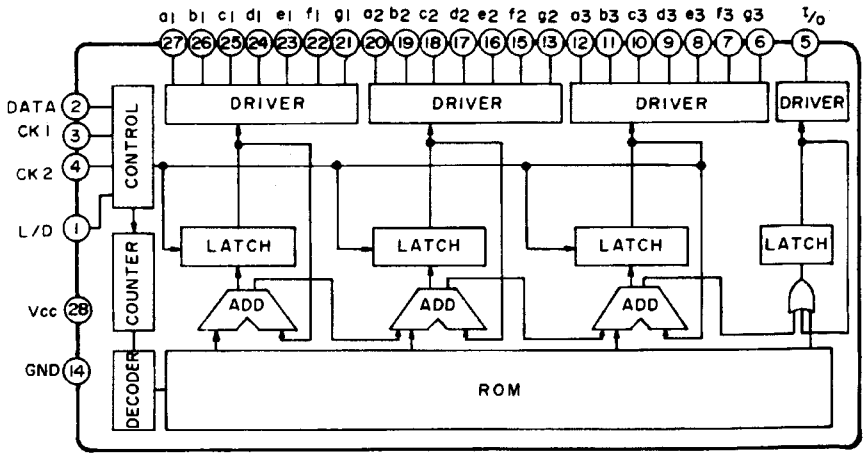
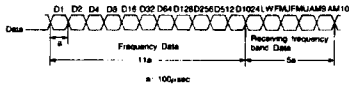
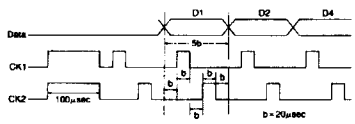


Fig. 24

3) Explanation of each terminal

Pin No.	Symbol	Description
1	L/D	Output condition switching input terminal. This terminal sets the display output mode (LED, FL, or LCD). LED...Make this terminal "H" level. FL ...Make this terminal "L" level. LCD...Apply AC voltage to this terminal.
2	Data	Receiving frequency data input terminal. A data signal containing the receiving frequency and band is sent to this terminal from pin 22 of IC7 (RVITC9137P) each time the receiving frequency is changed.  A data signal is composed of 16 bits. Eleven bits are assigned for frequency data and the remaining 5 bits are assigned for the reception bands.
3, 4	CK1, CK2	Receiving frequency data input control timing input terminal. Each time a data signal is sent, a timing signal is concurrently sent from pins 20 and 21 of IC7 to this terminal, to read the data signal. Two lines (CK-1 and CK-2) are used for timing the data signal reading. They have the following timing relationship with the data signal. 
5	I/O	Segment drive output terminal. This output terminal enables display of the digit corresponding to units of 100 MHz in the FM mode and the digit corresponding to units of 1000 kH in the AM mode.
6~12	a3~g3	7-segment drive output terminal. This output terminal enables display of the digit corresponding to units of 10 MHz in the FM mode and the digit corresponding to units of 100 kHz in the AM mode.
13.15~20	a2~g2	7-segment drive output terminal. This output terminal enables display of the digit corresponding to units of 1 MHz in the FM mode and the digit corresponding to units of 10 kHz in the AM mode.
14	GND	Ground terminal.

Pin No.	Symbol	Description
21~27	a1~g1	7-segment drive output terminal. This output terminal for enabling display of the digit corresponding to units of 100 kHz in the FM mode and the digit corresponding to units of 1 kHz in the AM mode.
28	Vss	Power supply terminal (5V).

RVITC9137P (IC7): EACH TERMINAL FUNCTION & WAVEFORM

1) Terminal view

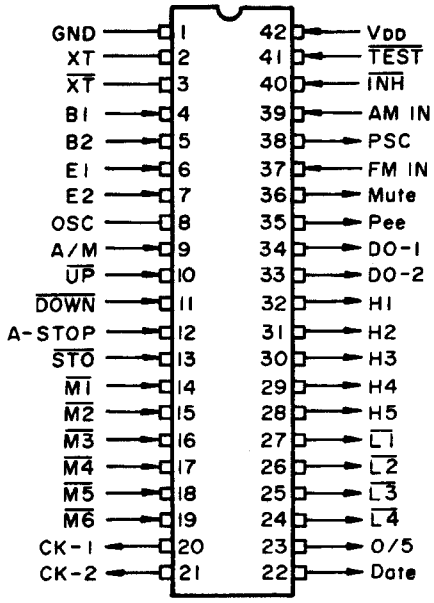


Fig. 25

2) Block Diagram

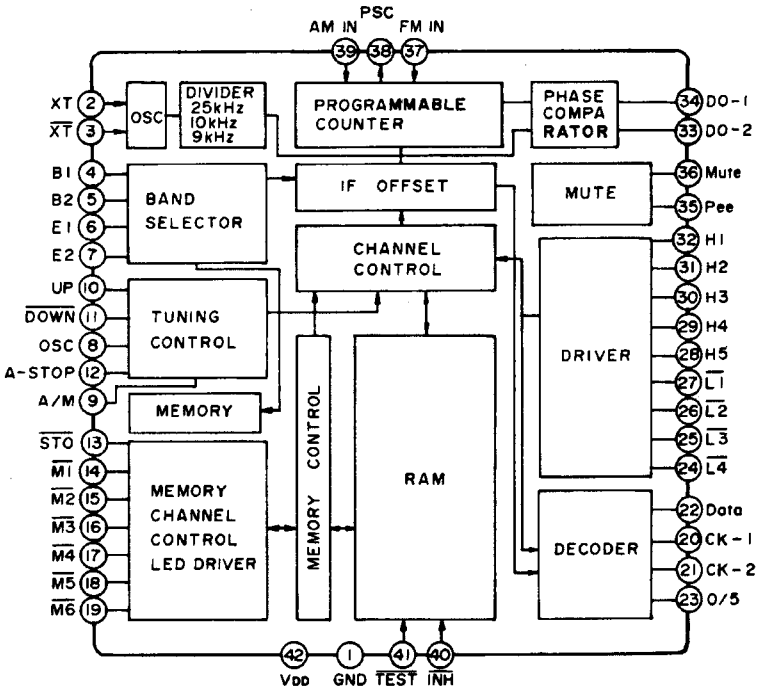
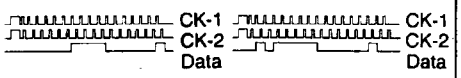
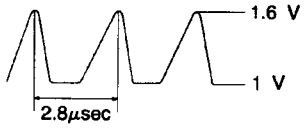
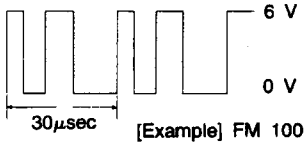
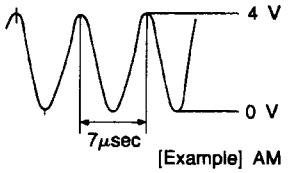


Fig. 26

3) Explanation of each terminal

Pin No.	Symbol	Description
1	GND	Ground terminal.
2, 3	XT, $\overline{XT}$	Used to connect a quartz oscillator (7.2 MHz).
4, 5	B1, B2	Input terminals for FM/AM band switching and IF fine tuning selection. Applying the voltages shown below effects band switching and IF selection. B1 (Pin 4) / B2 (Pin 5): "L" / "L" = AM (450 kHz); "H" / "H" = FM (10.7 MHz) "H" Level: 5 V "L" Level: 0 V
6, 7	E1, E2	Band-mode switching input terminals. Applying the voltages shown below switches the band mode. E1 (Pin 6) / E2 (Pin 7): "L" / "H" = For U.S.A. BAND "H" Level: 5 V "L" Level: 0 V
8	OSC	External CR connection terminal. Externally connected C123 (10 V, 2.2 μF) and R133 (27 kΩ) determine the auto-search scanning speed, automatic reset of the preset memory storage state, and the shifting time of manual tuning to fast scanning.
9	A/M	Auto/manual switching input terminal. Selects manual or auto-search mode in the up/down tuning mode. "L" level.....manual mode "H" level.....auto-search mode Sustained pressing of the UP/DOWN tuning key for a certain time switches from manual mode to auto-search mode, and moves the A/M terminal from "L" to "H".
10, 11	$\overline{UP}$, $\overline{DOWN}$	Tuning key input terminals. When the voltages shown below are applied to the UP and DOWN terminals, the reception frequency is raised or lowered. UP (Pin 10) / DOWN (Pin 11): "H" / "H" = The reception frequency is locked.; "H" / "L" = The reception frequency lowers.; "L" / "H" = The reception frequency rises. "H" level: 5 V, "L" level: 0 V

Pin No.	Symbol	Description
12	A-STOP	Auto-search stop input terminal. When a broadcast is detected during auto-search operation, "H" level signal is applied from Q3 (2SD601, SWITCHING) to the A-STOP terminal to stop the auto-search.
13	$\overline{\text{STO}}$	Preset memory storage terminal. Pressing the memory switch (S6) brings pin 13 to "L" to ready the circuitry for storage.
14~17	$\overline{\text{M1}}$~$\overline{\text{M4}}$	Memory addressing input terminals. When the desired program switch (S7, S8, S9 or S10) is pressed in the memory set ready condition, the corresponding terminal (M1, M2, M3 or M4) goes "L". At this time the reception frequency data is stored. The stored data can be read by simply pressing the corresponding program switch (S7, S8, S9 or S10).
20~22	CK-1 CK-2 Data	Reception frequency data and timing signal output terminals. A cycle of data and signal is serially delivered only when the reception frequency is altered, i.e., when the UP/DOWN key is pressed, the memory is read, or the band is changed. The timing signals for data signal reading are delivered from the CK-1 (pin 20) and CK-2 (pin 21) terminals. The reception frequency data is delivered from the DATA terminal (pin 22).  [Example] AM 1000 kHz [Example] FM 100 MHz
34	DO-1	Phase comparator output terminal. When the phase of the frequency-divided output of the programmable counter lags behind the reference frequency, the output at the phase comparator output terminal goes "L" for the period corresponding to the phase difference. When the counter output leads, the comparator output goes "H" for the period corresponding to the phase difference.
36	Mute	Muting output terminal. The muting output is delivered from the MUTE terminal at the time of key operation and other cases.

Pin No.	Symbol	Description
37	FM IN	FM programmable counter input terminal. The FM local oscillation signal which is divided into 1/30 or 1/32 by the prescaler (IC6 RVITD6104P) is inputted to this terminal. [Example] FM 100 MHz 
38	PSC	This is the terminal to deliver the frequency dividing ratio change over output signal to the pre-scaler (IC6 RVITD6104P).  [Example] FM 100 MHz
39	AM IN	AM programmable counter input terminal. The AM local oscillation signal is directly applied from pin 8 of IC301 (PVIUPC1215VE) to the AM IN terminal in the AM mode.  [Example] AM 1000 kHz
40	$\overline{\text{INH}}$	Inhibit input terminal. When the power is turned on, the voltage rising time at the INH terminal (pin 40) is delayed for a certain time [the time constant of R90 (100 kΩ) and C94 (1μF)]. The band mode selection data is read during this rising time.
42	VDD	A voltage of 5 V±0.5 V supply to this terminal during device operation.

AUDIO SYSTEM CONNECTION

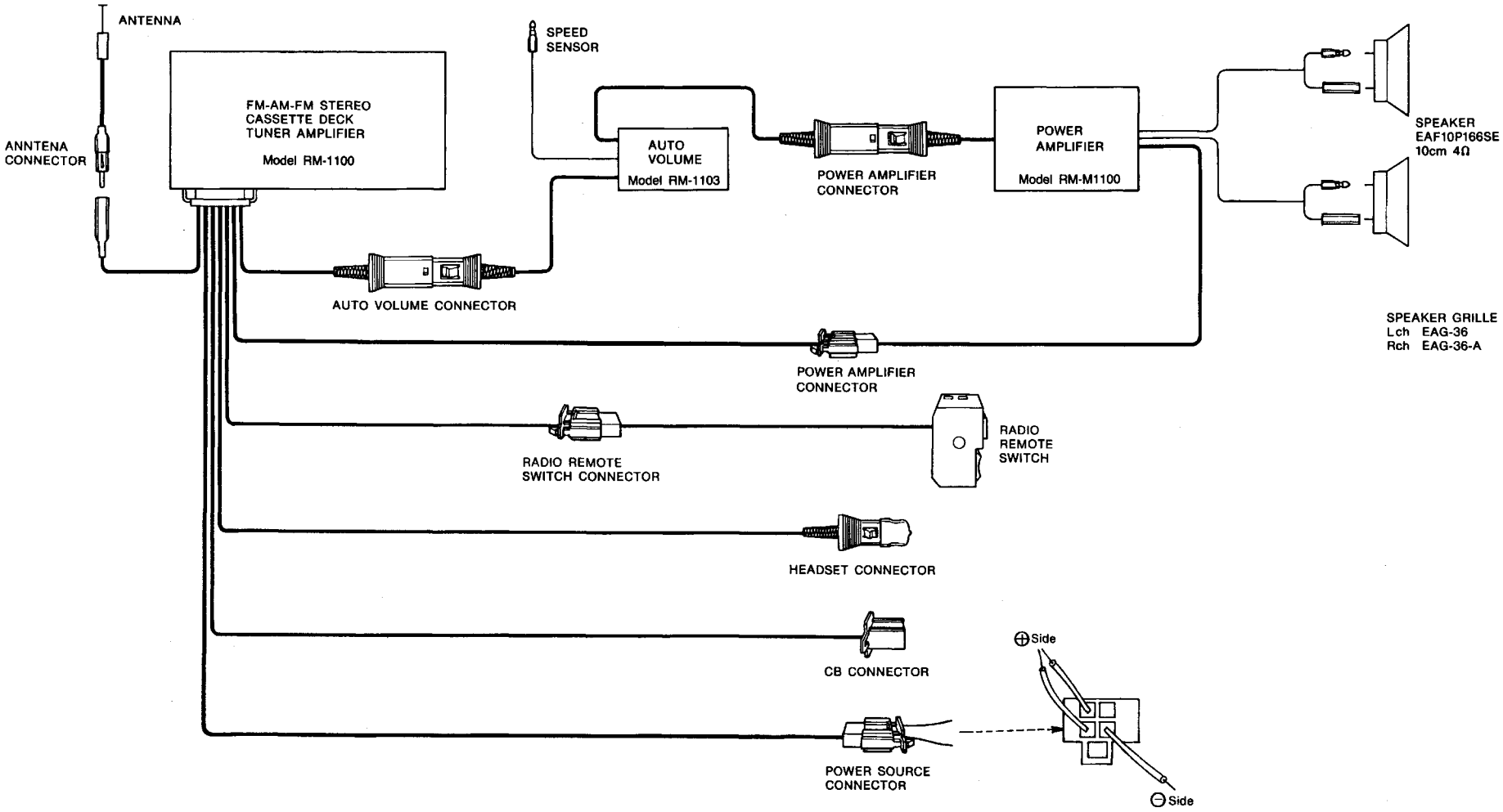
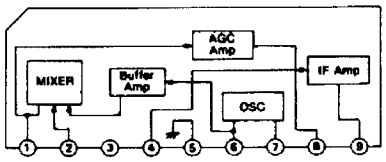


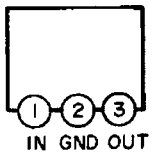
Fig. 27

■ IC BLOK DIAGRAM

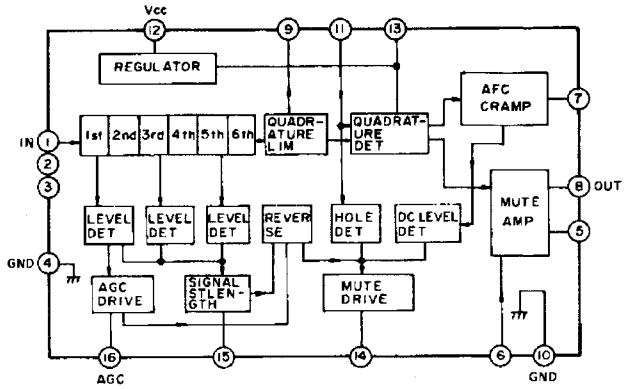
IC1 AN7254



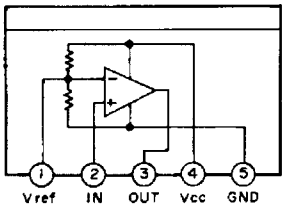
IC2 RVIUPC78L08
IC8 RVITA78L006P
IC9 RVIUPC78L05A



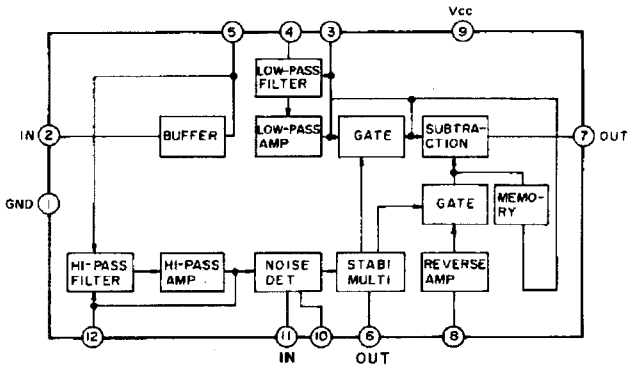
IC3 RVILA1140



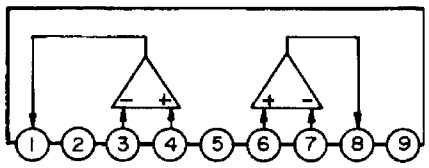
IC10 RVIM51203L



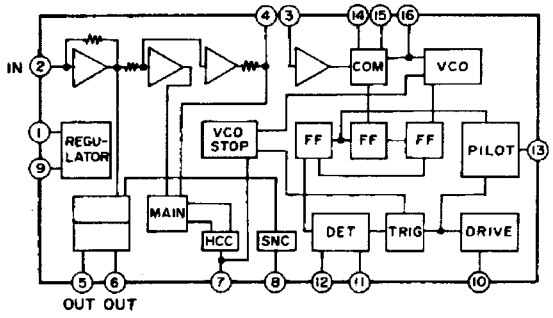
IC4 RVISTK2110D



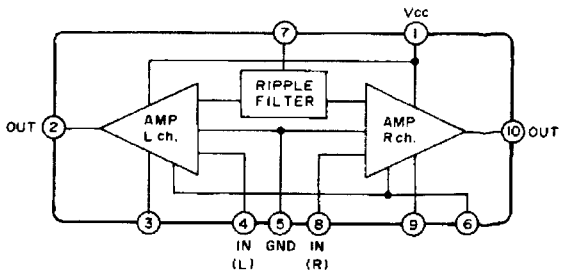
IC11 AN6550



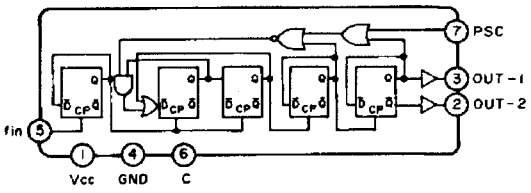
IC5 RVILA3375



IC12 RVITA7230P



IC6 RVITD6104P

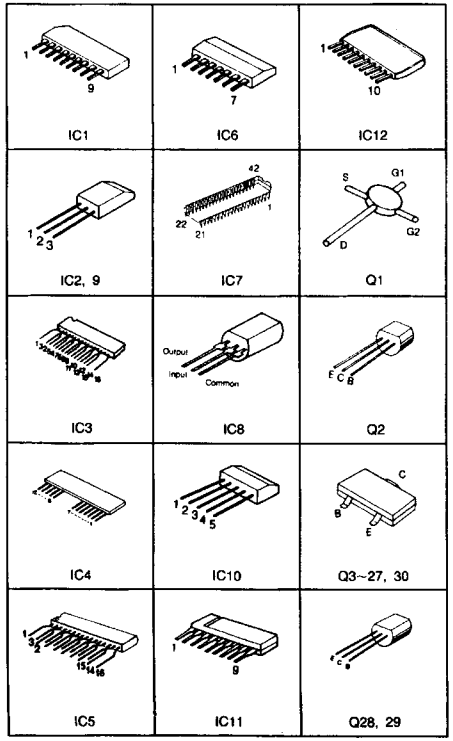


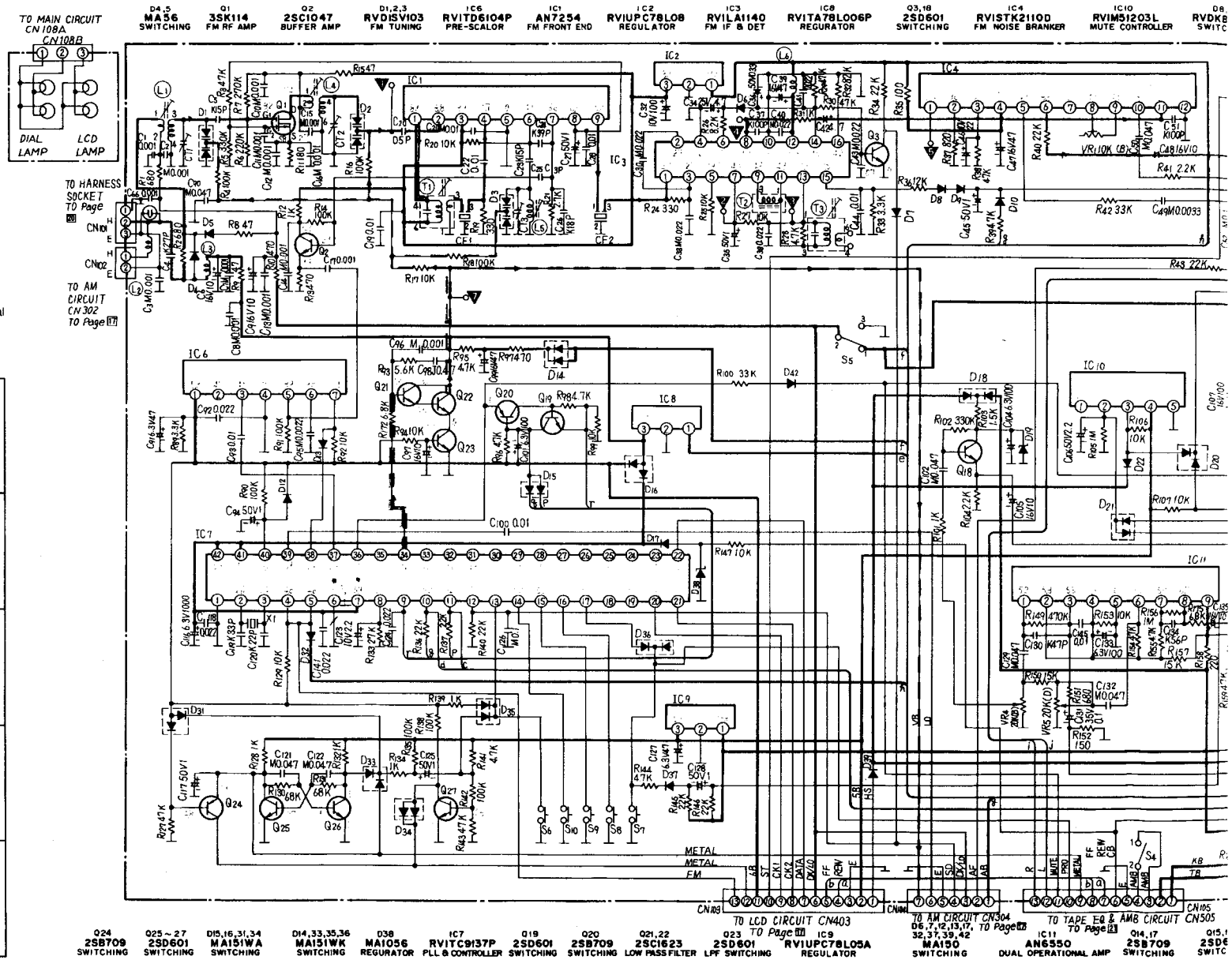
SCHEMATIC DIAGRAM (MAIN) I

Notes:

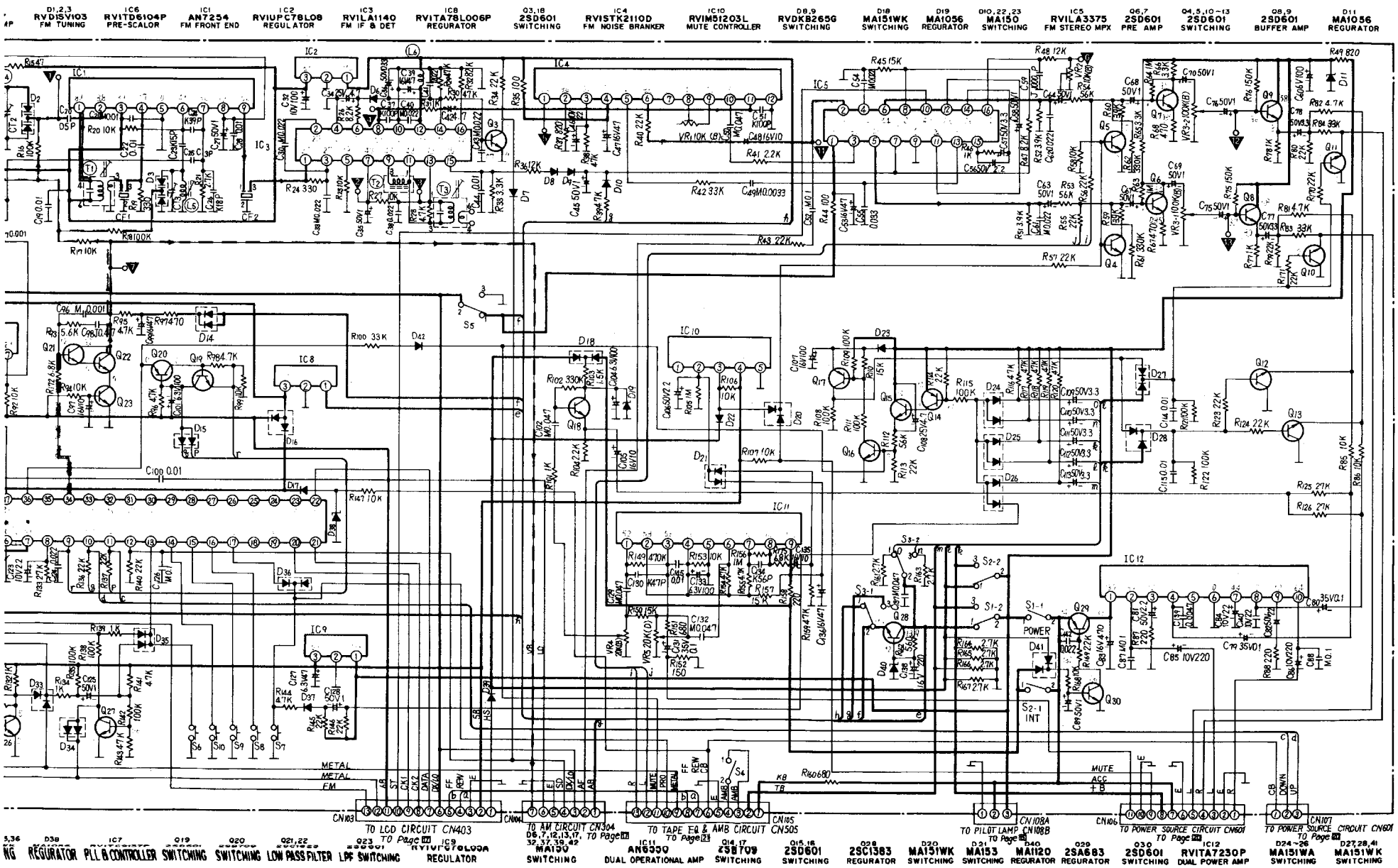
1. S1-1: Power switch in "OFF" position.
2. S1-2: Radio/Tape switch in "RADIO" position. (1...RADIO, 3...TAPE)
3. S2-1: Intercom switch "OFF" position.
4. S2-2: Speaker/Headset switch in "Headset" position. (1...Headset, 3...Speaker)
5. 3-1, 3-2: Band switch in "FM" position. (1...FM, 3...AM)
6. S4: Ambience switch in "OFF" position.
7. S5: Sensitivity switch in "LOCAL" position. (1...LOCAL, 2...DX)
8. S6: Memory/Metal switch.
9. S7: Preset ch1/program switch
10. S8: Preset ch2 switch.
11. S9: Preset ch3 switch.
12. S10: Preset ch4 switch.
13. DC Voltage measurements are taken with electronic voltmeter from negative voltage line.
    •FM position.
14. VR1: Separation adjustment VR
    VR2: Pilot VCO adjustment VR
    VR3: Volume control VR
    VR4: Intercom control VR
    VR5: Muting level control VR

FM Signal
FM Vcap Control Signal
FM OSC Signal
AM Vcap Control Signal
AM OSC Signal
Tape & AF Signal
+Voltage Line

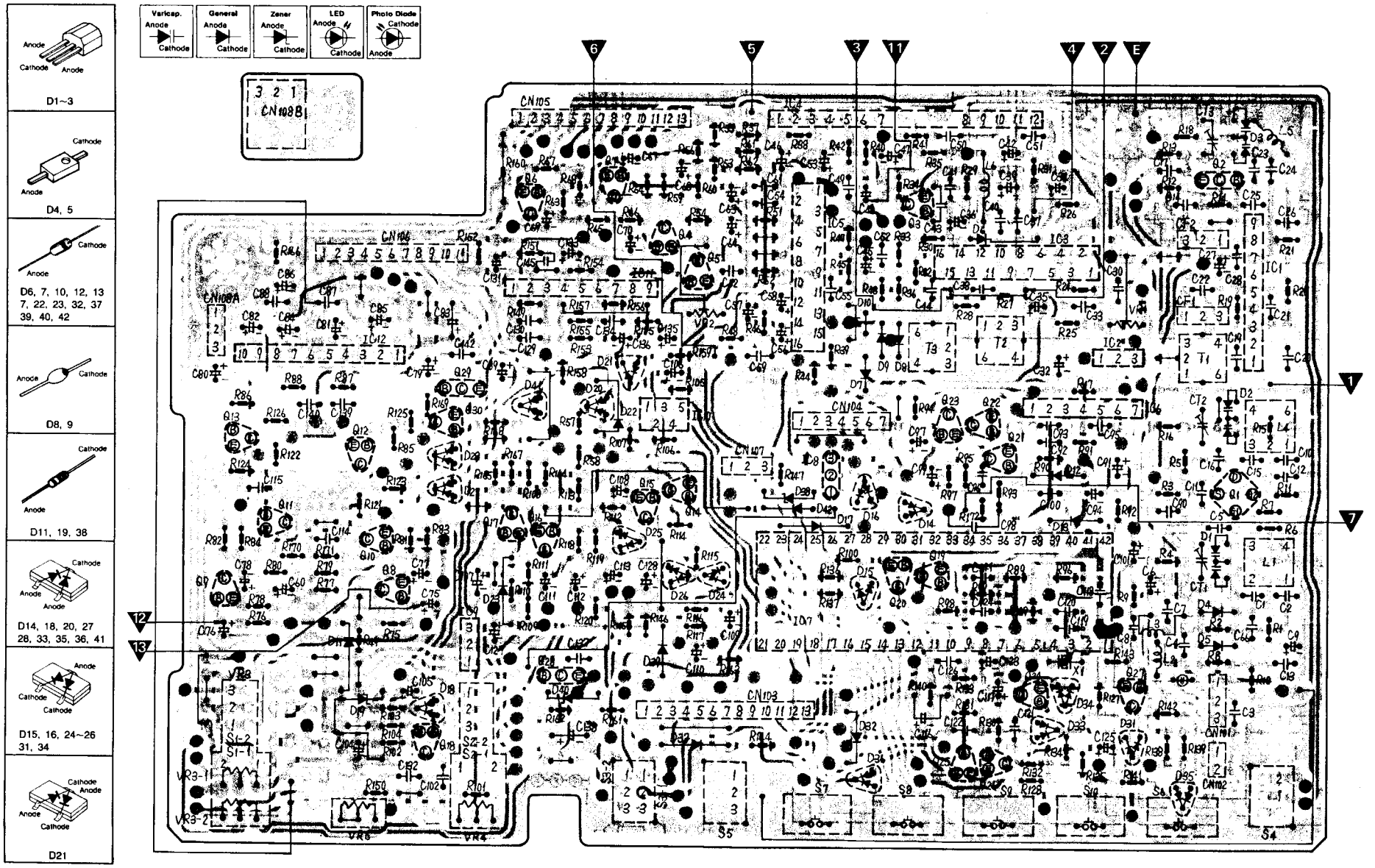




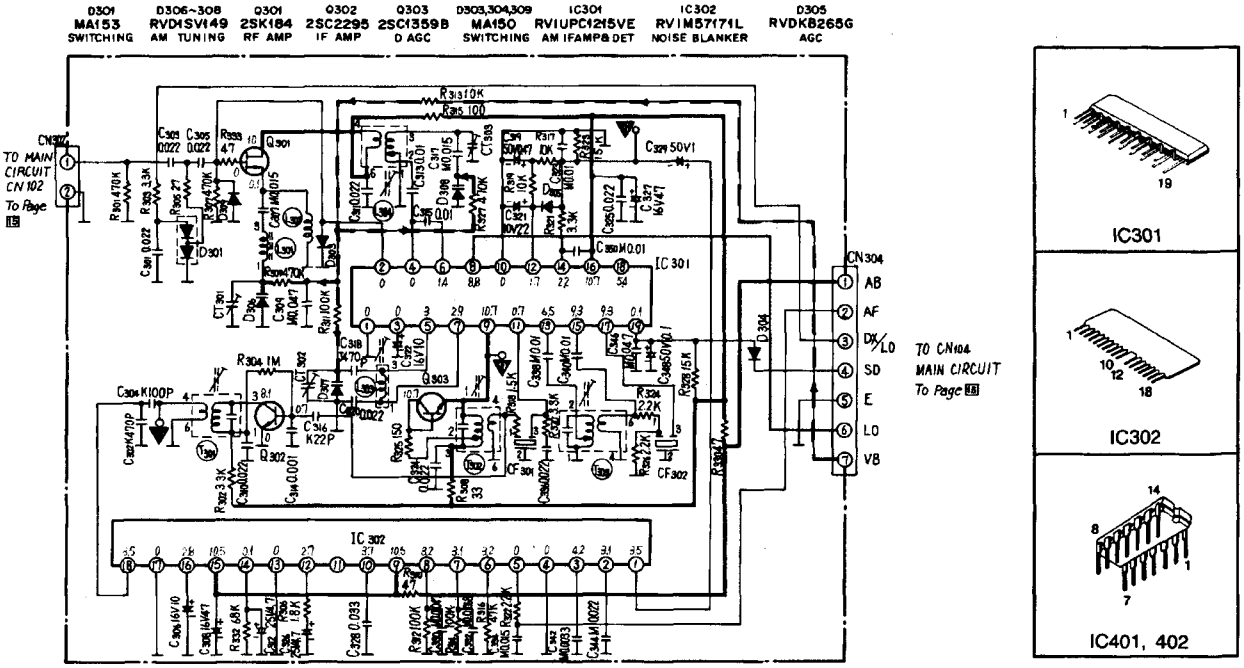
SCHEMATIC DIAGRAM (MAIN) MODEL RM-1100



CIRCUIT BOARD (MAIN) MODEL RM-1100



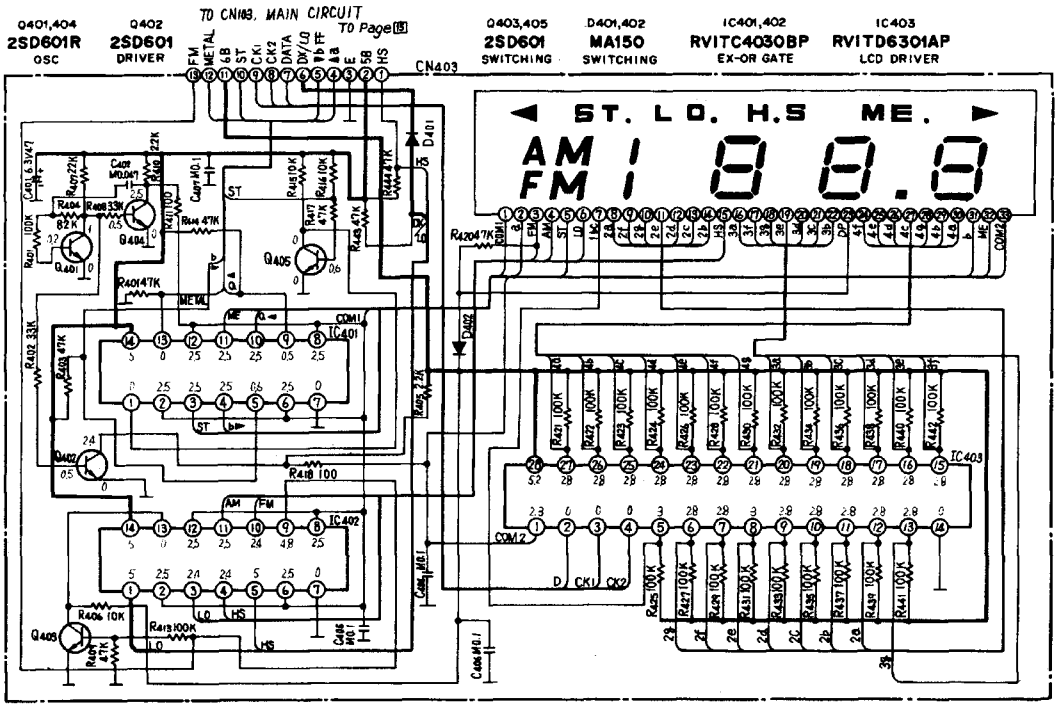
SCHEMATIC DIAGRAM (AM) MODEL RM-1100



Note:
DC voltage mesurements are taken with electronic voltmeter from negative voltage line.
•AM position

AM OSC Signal Line
AM Vcap Signal Line
+Voltage Line

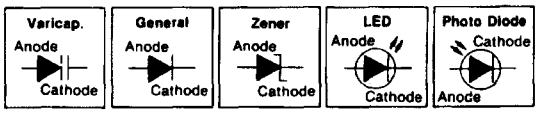
SCHEMATIC DIAGRAM (LCD) MODEL RM-1100

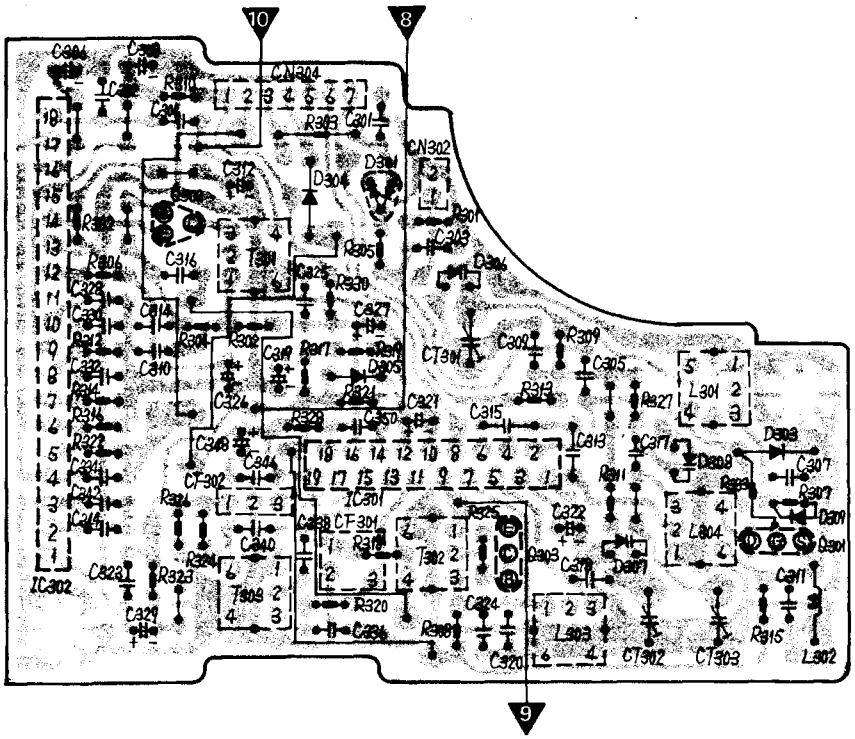


Note:
DC voltage measurments are taken with electronics voltmeter from negative voltage line.
•FM/Local/Headset position

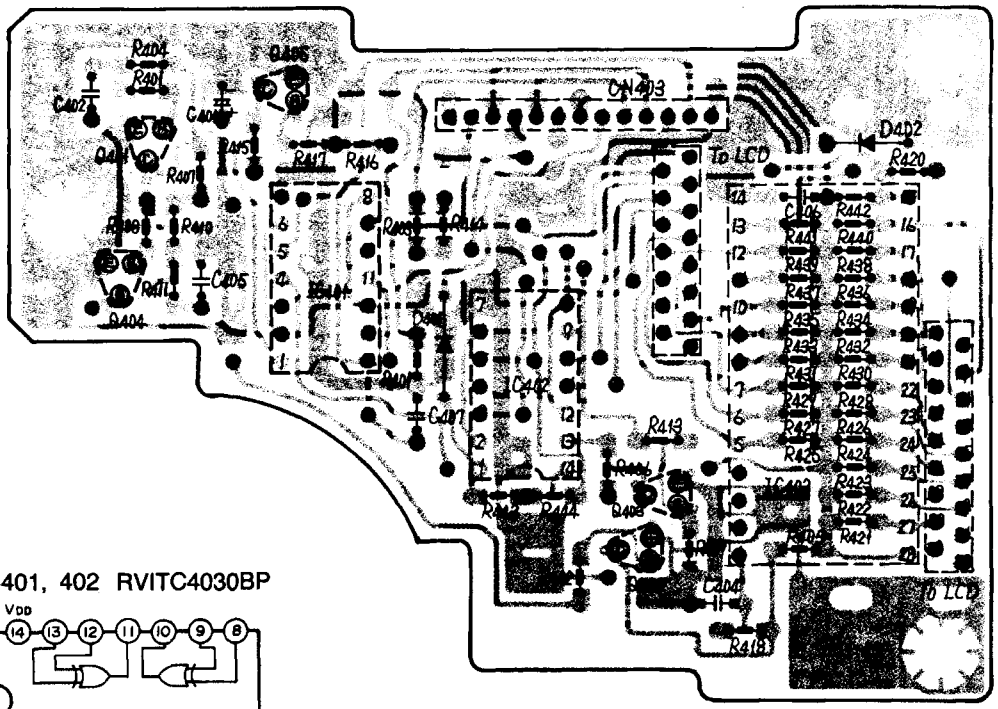
+Voltage Line

CIRCUIT BOARD (AM) MODEL RM-1100

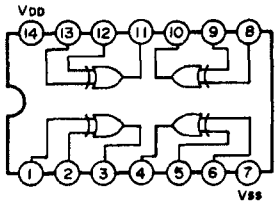


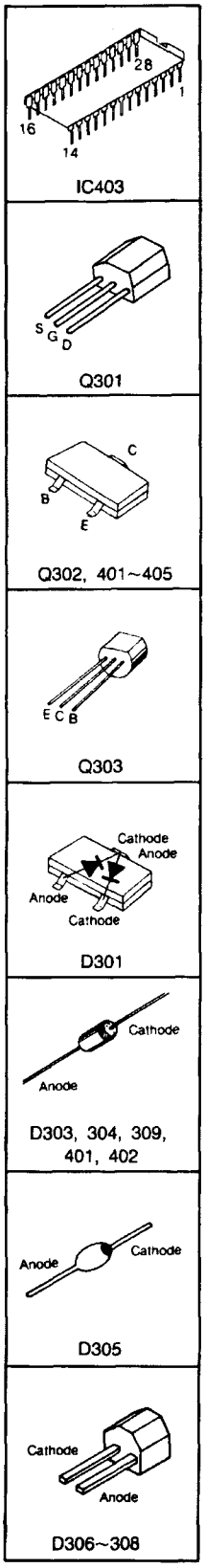


CIRCUIT BOARD (LCD) MODEL RM-1100

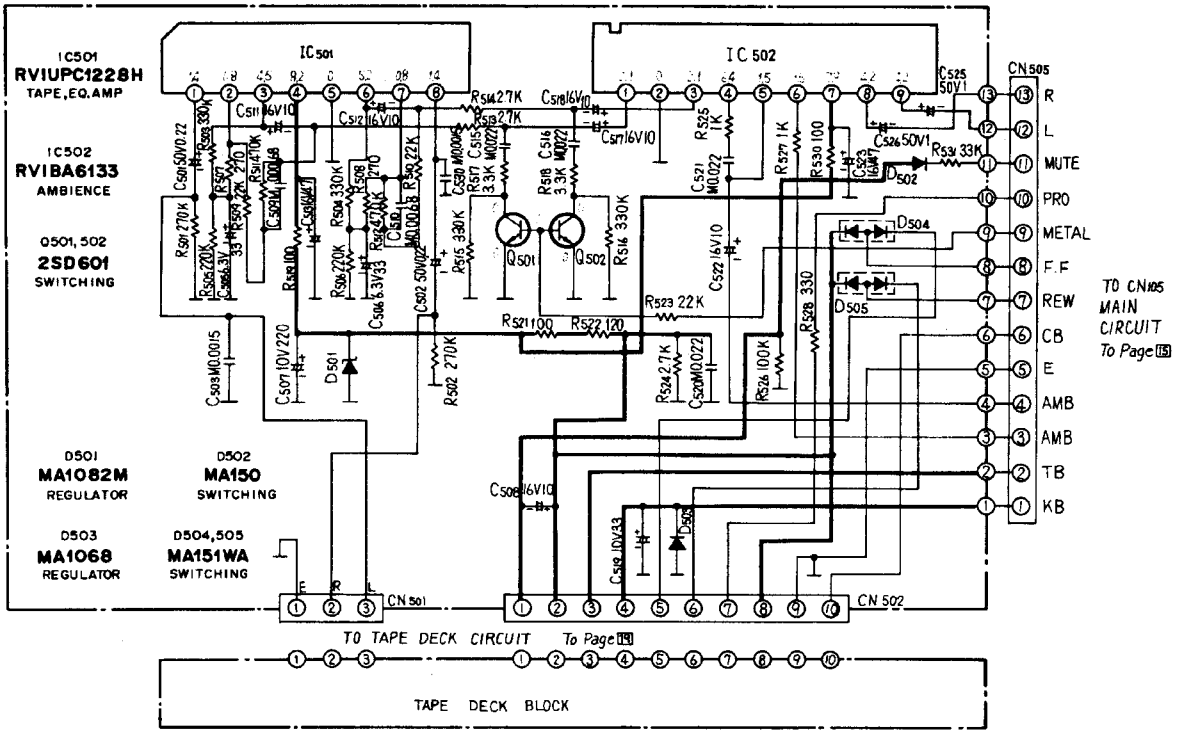


IC401, 402 RVITC4030BP





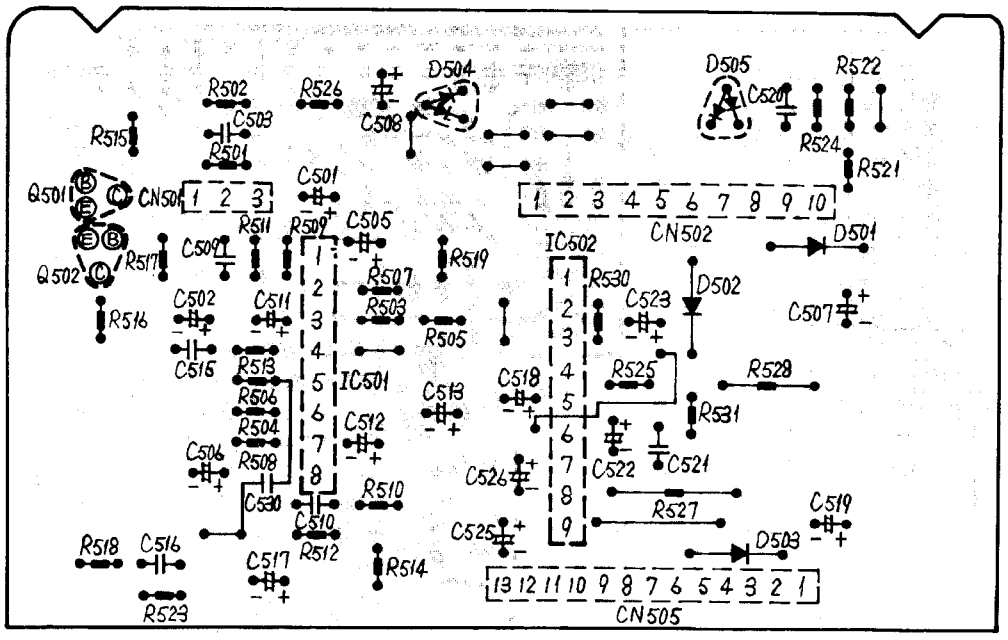
SCHEMATIC DIAGRAM (TAPE EQ & AMBIENCE) MODEL RM-1100



Note:
DC voltage measurements are taken with electronic voltmeter from negative voltage line.
•Tape position

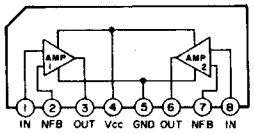
Tape & AF Signal
+Voltage Line

CIRCUIT BOARD (TAPE EQ & AMBIENCE) MODEL RM-1100

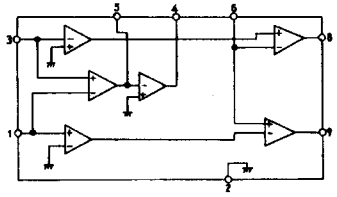


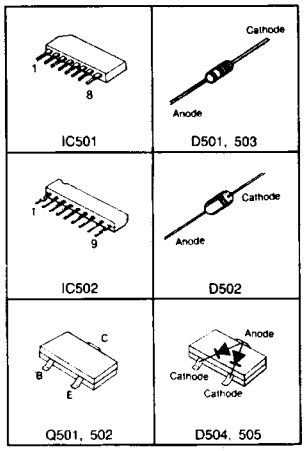
WIRING CONNECTION DIAGRAM MODEL RM-1100

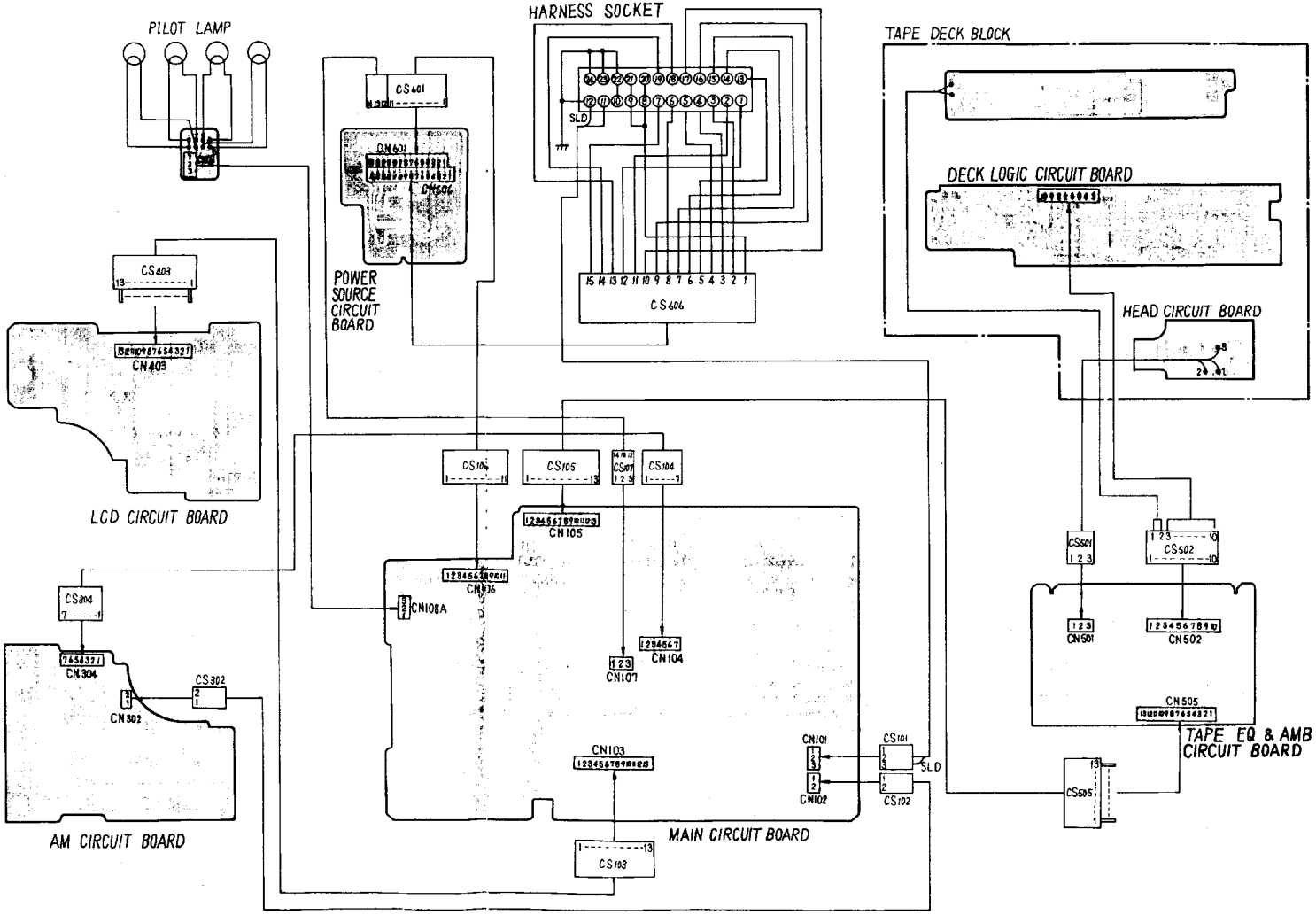
IC501 RVIUPC1228H



IC502 RVIBA6133







BLOCK DIAGRAM

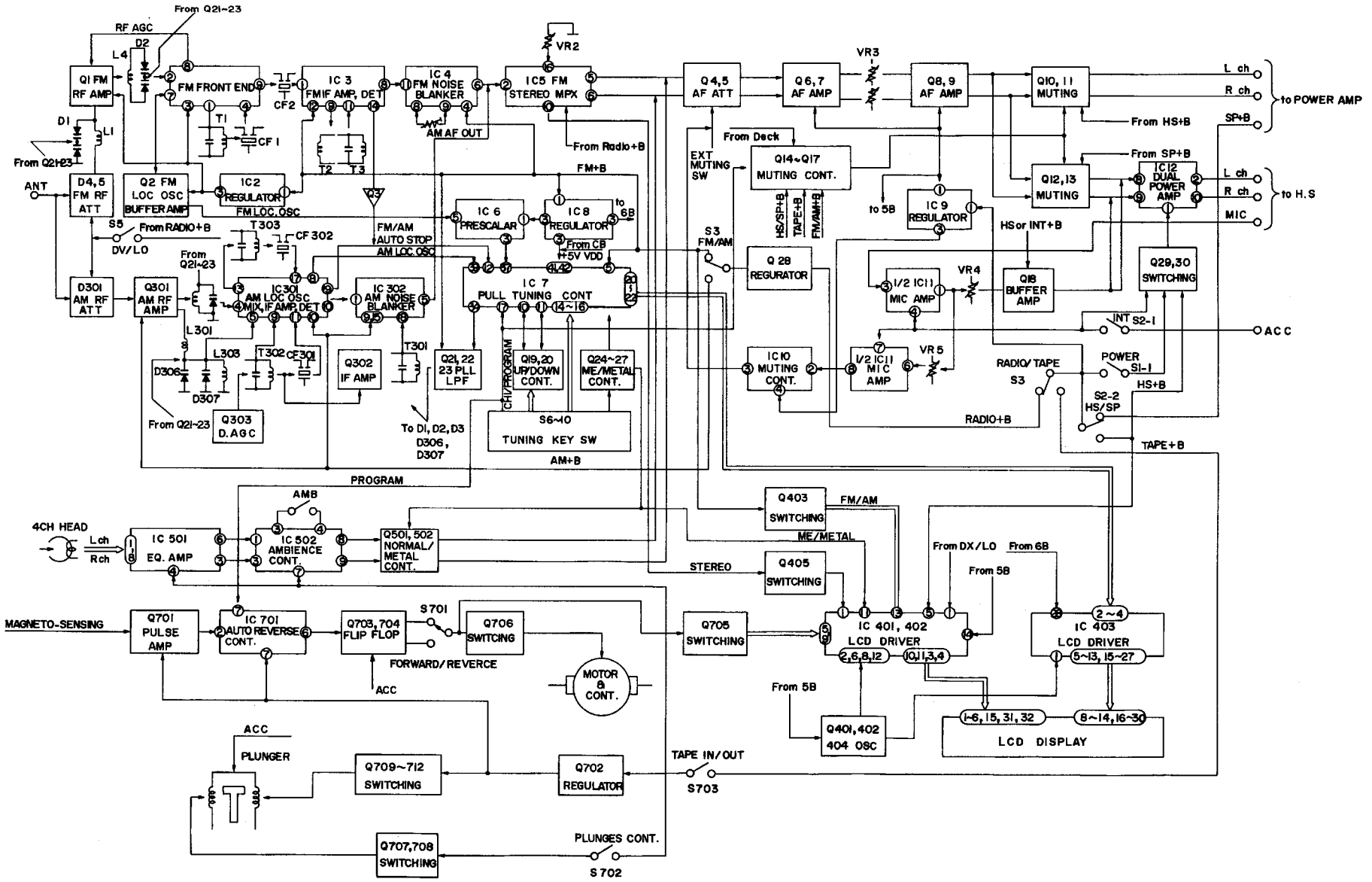


Fig. 28

MECHANISM PARTS LOCATION

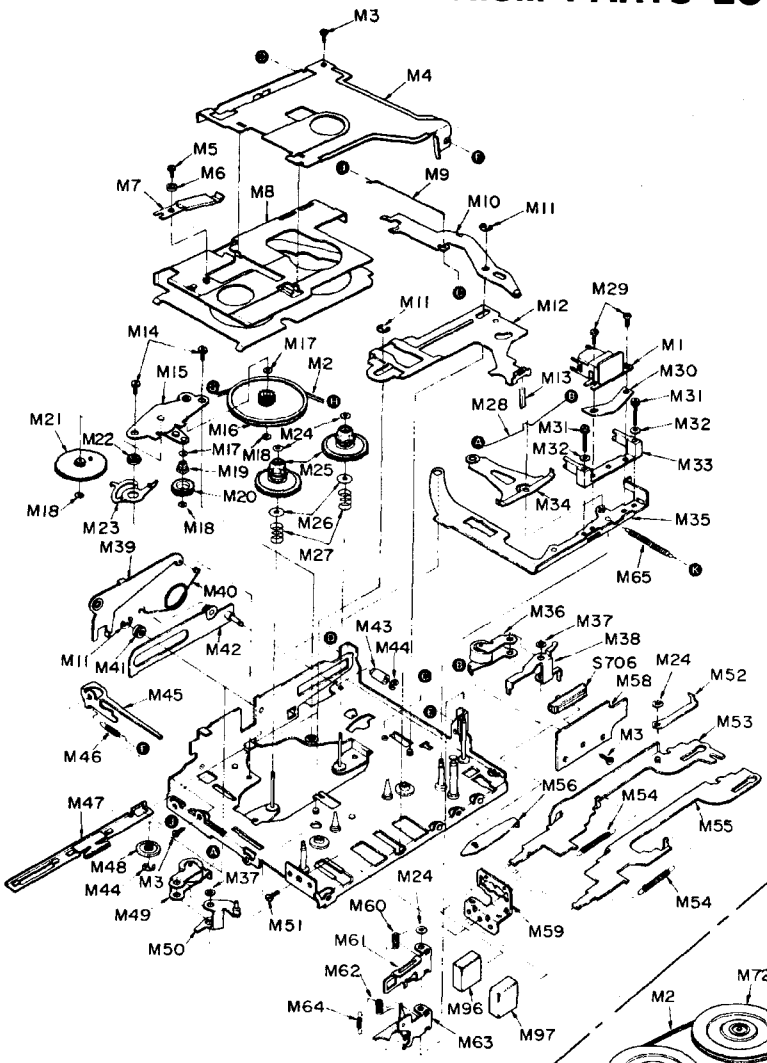


Fig. 29

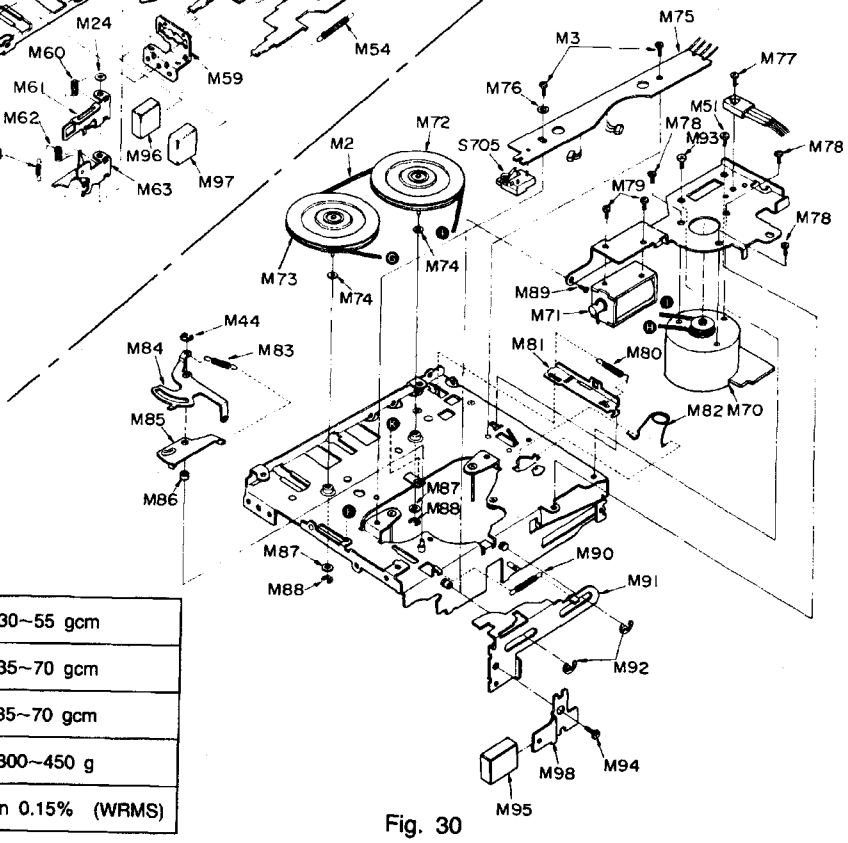


Fig. 30

■ SPECIFICATIONS

Takeup Torque	30~55 gcm
Fast Forward Torque	35~70 gcm
Rewind Torque	35~70 gcm
Pressure of pinch roller	300~450 g
Wow and flutter	Less than 0.15% (WRMS)

CABINET PARTS LOCATION

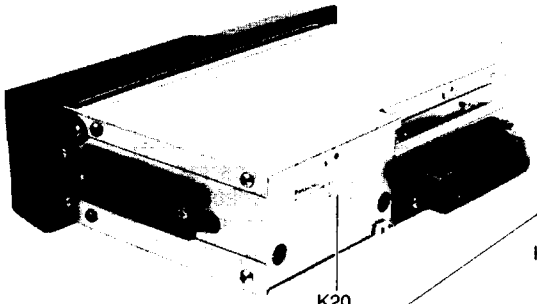


Fig. 31

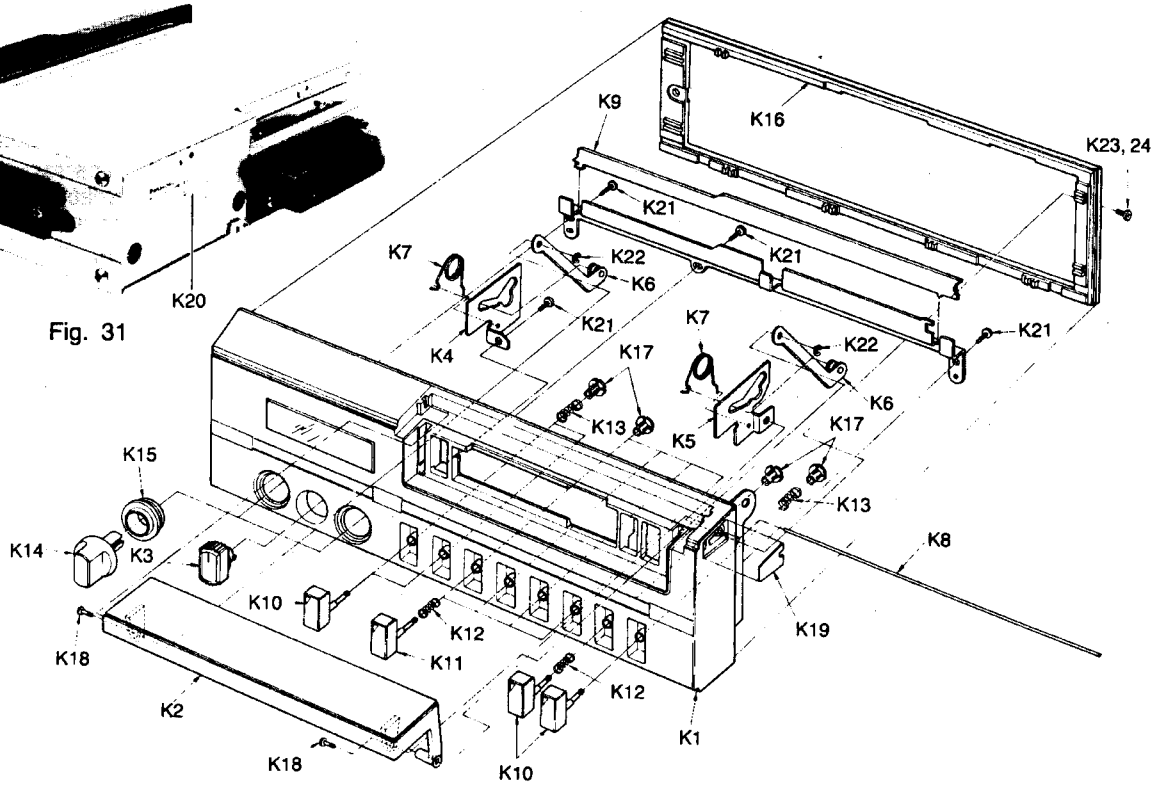


Fig. 32

ELECTRICAL PARTS LOCATION

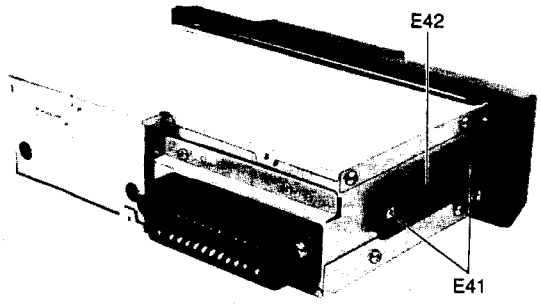


Fig. 33

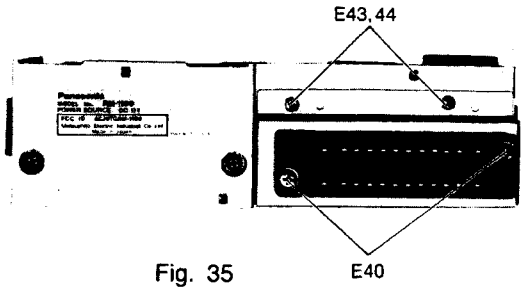


Fig. 35

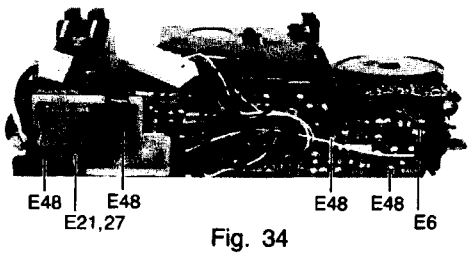


Fig. 34

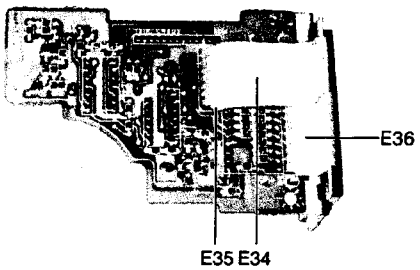


Fig. 36

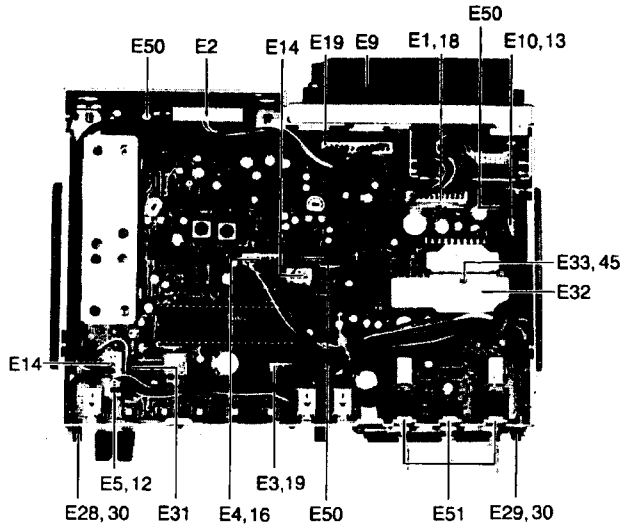


Fig. 37

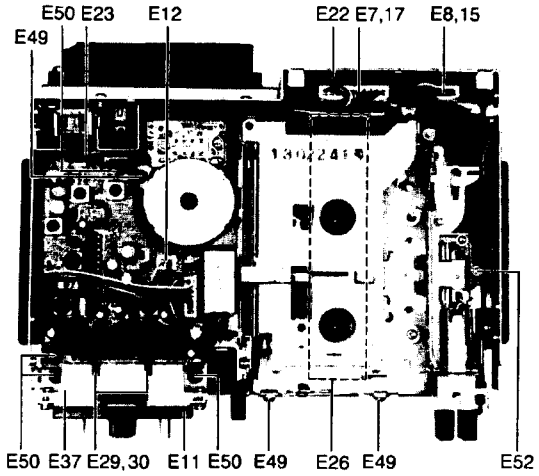


Fig. 38

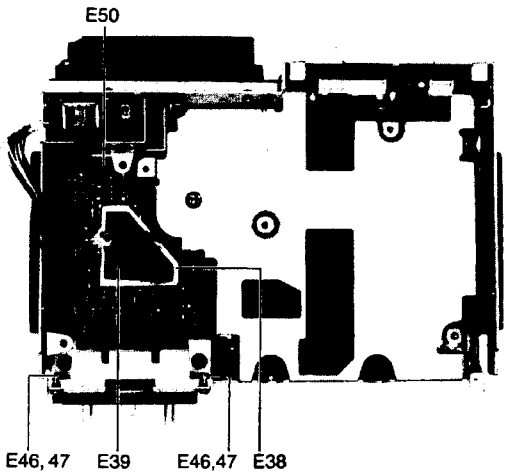


Fig. 39

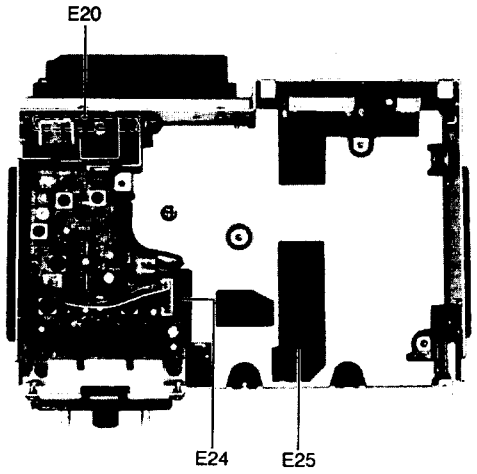


Fig. 40

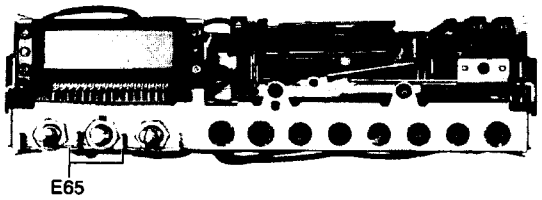


Fig. 41

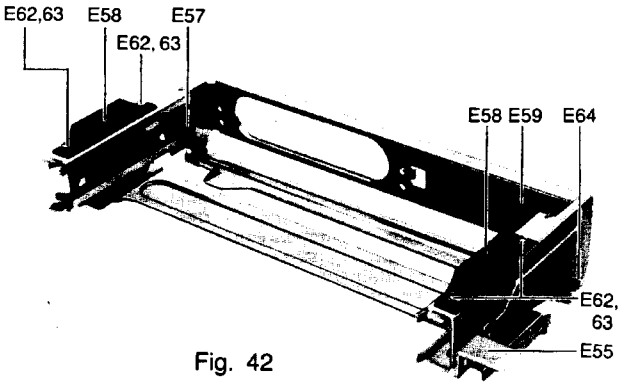


Fig. 42

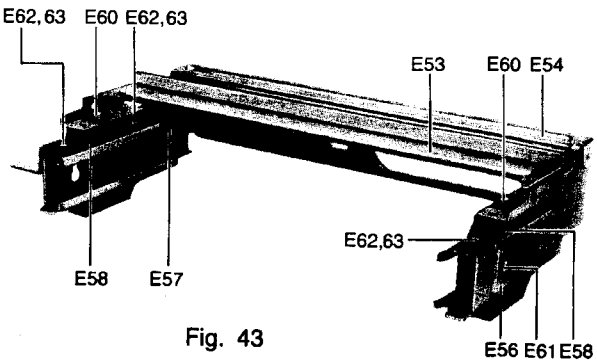


Fig. 43

ORDER NO. RD83092082C1

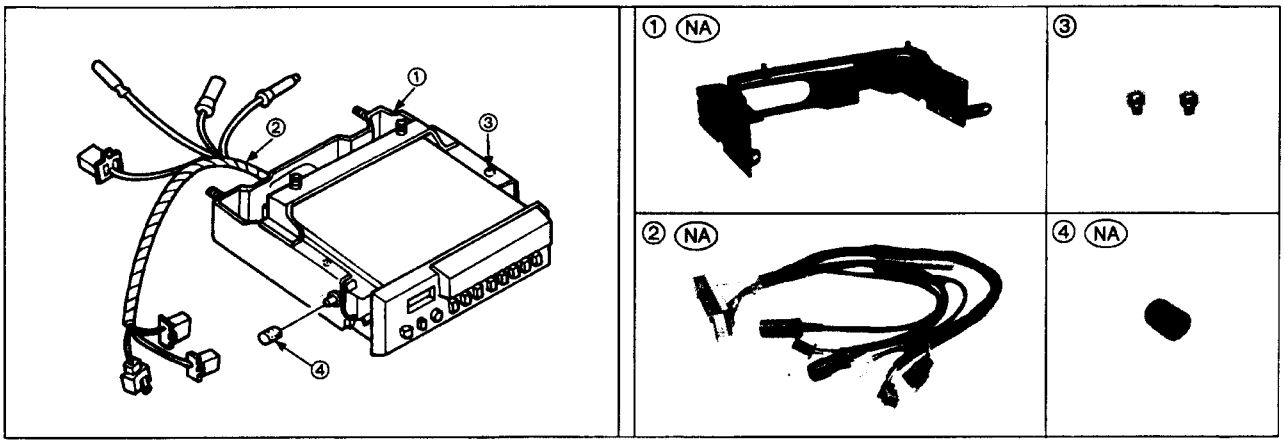
Service Manual

Car Audio

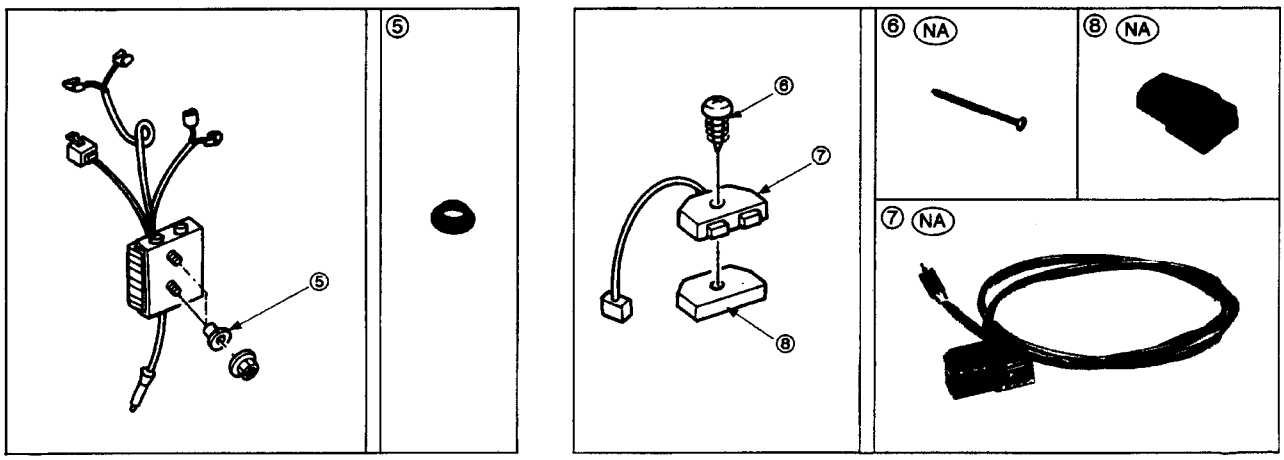
RM-1100 ACCESSORIES

CUSTOM-MADE FOR HONDA

■ **RADIO CASSETTE ACCESSORY**



■ **POWER AMPLIFER ACCESSORY**



■ **REPLACEMENT PARTS LIST**

Note: Parts or components marked with (NA) and unlisted are not available as replacement parts.

Ref. No.	Part No.	Part Name & Description	Pcs/set	Remarks
1	——	Bracket	1	
2	——	Harness	1	
3	XYN4+C6	Screw, Harness and Bracket M'tg	8	
4	——	Cap, Radio Bracket	1	
5	RHM173Z	Collar, Main AMP.	2	
6	——	Screw, Remote Switch	1	
7	——	Remote Switch	1	
8	——	Spacer, Remote Switch	1	

Panasonic

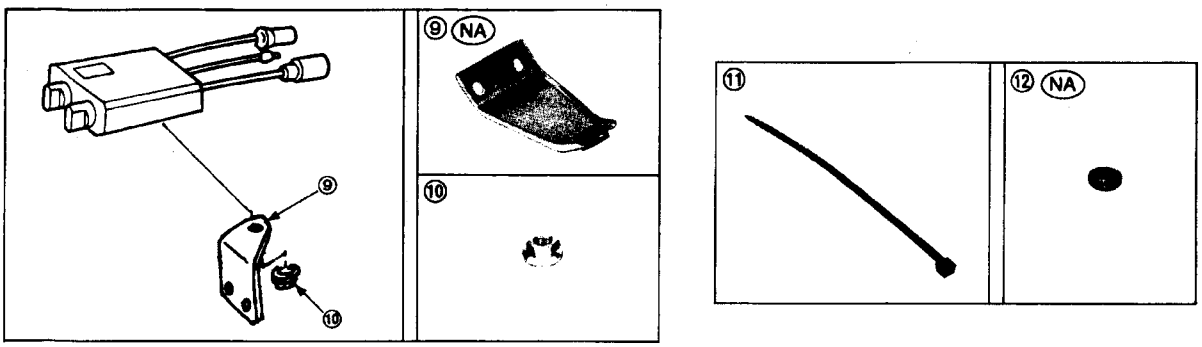
Matsushita Engineering and Service Company
50 Meadowland Parkway,
Secaucus, New Jersey 07094

Panasonic Hawaii Inc.
91-238 Kauhi St. Ewa Beach
P.O. Box 774
Honolulu, Hawaii 96808-0774

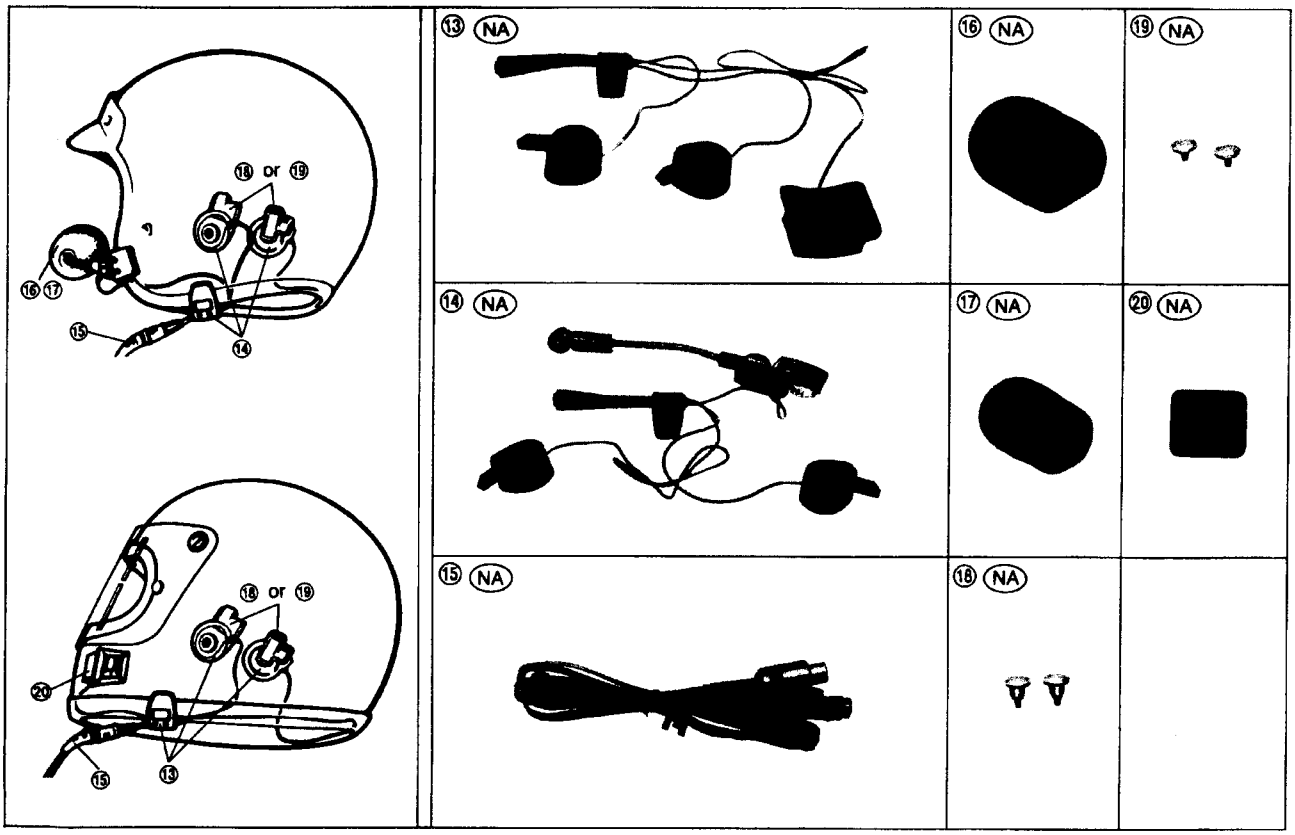
Matsushita Electric of Canada Limited
5770 Ambler Drive, Mississauga,
Ontario, L4W 2T3

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc.
Ave, 65 De Infanteria, Km 9.7
Victoria Industrial Park
Carolina, Puerto Rico 00630

■ AUTO VOLUME ACCESSORY

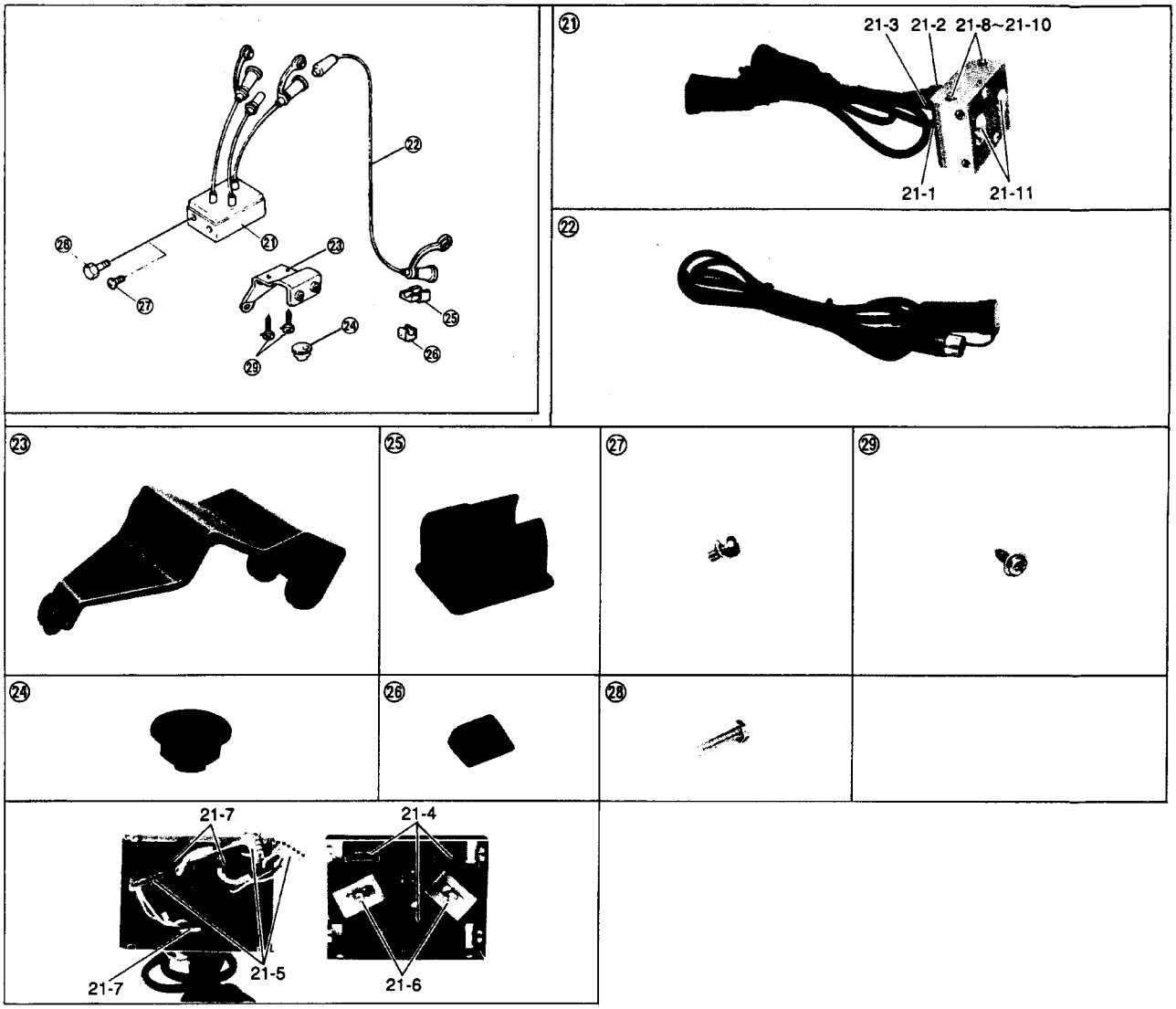


■ HEAD SET ACCESSORY



Ref. No.	Part No.	Part Name & Description	Pcs/set	Remarks
9	——	Bracket, Auto Volume	1	
10	RHE7035Z	Nut, Auto Volume	1	
11	RHR168Z	Wire Band	2	
12	——	Cap, Socket Bolt	4	
13	——	Head set (Full-Face Type)	1	
14	——	Head set (Open-Face Type)	1	
15	——	Cord (with Plug)	1	
16	——	Wind Shield (Open-Face Type)	1	
17	——	Wind Shield (Open-Face Type)	1	
18	——	Screw	2	
19	——	Screw	2	
20	——	Wind Shield (Full-Face Type)	1	

■ JUNCTION BOX ACCESSORY



Ref. No.	Part No.	Part Name & Description	Pcs/set	Remarks
21	RJE144Z	Junction Box	1	
21-1	RWR49210A20	Cord Ass'y, AM/FM Radio	1	
21-2	RWR49211A20	Cord Ass'y, Passenger	1	
21-3	RWR49212A20	Cord Ass'y, Driver	1	
21-4	RWR4023A20	Plug,	3	
21-5	RWR4001A20	Socket	3	
21-6	RWR6501A20	Speed Nut	2	
21-7	RWR6502A20	Stopper	3	
21-8	XSN3+5FN	Screw	4	
21-9	XWG3FN	Washer	4	
21-10	XWA3FN	Washer	4	
21-11	XSN4+6FN	Screw	2	
22	RJP0F19Z	Cord (with Plug)	1	
23	RWV6323A9	Bracket Ass'y	1	
24	RHG725Z	Grommet, Harness	1	
25	RHG2044Z	Connector Holder	2	
26	RHG2045Z	Hook Lead	3	
27	XYN4+C6	Screw	4	
28	XVG4A16	Bolt	4	
29	XTW4+12D	Screw	2	